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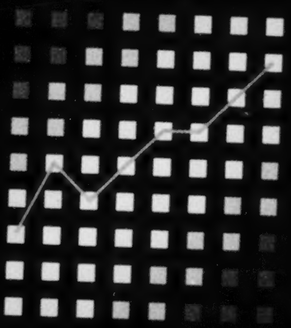

STATISTICAL YEARBOOK

of
the
Electric
Utility
Industry
1991

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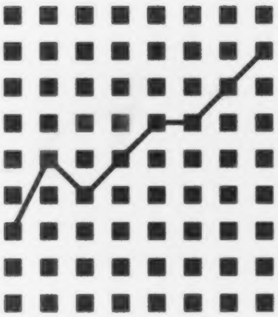
Organized in 1933 and incorporated in 1970, EEI provides a principal forum where electric utility people exchange information on developments in their business, and maintain liaison between the industry and the Federal government. Its officers act as spokesmen for investor-owned electric utility companies on subjects of national interest.

Since 1933, EEI has been a strong, continuous stimulant to the art of making electricity. A basic objective is the "advancement in the public service of the art of producing, transmitting, and distributing electricity and the promotion of scientific research in such field." EEI ascertains factual information, data and statistics relating to the electric industry, and makes them available to member companies, the public, and government representatives.



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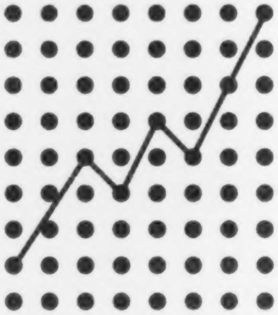

Published October 1992/Number 59

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PUBLICATIONS PREPARED BY THE STATISTICS DEPARTMENT

Capacity and Generation of Non-Utility Sources of Energy
Presents statistics on non-utility producers of energy (cogenerators, small power producers, and other non-utility producers) compiled from an annual survey of the electric utilities, and from other sources, for calendar-year 1991. This report contains national data on capacity and generation by year, type of producer, qualifying status, prime mover, primary energy source, and major industry group; number and size of projects; electric utility receipts from non-utility producers; and connection and dispatchability. A limited amount of historical data is also presented. Published annually in the fall. 80p.

Catalogue of Investor-Owned Electric Utility Companies Operating in the United States
Complete reference of investor-owned electric utility names, addresses and phone numbers, arranged on a state basis according to location of principal office. Holding companies and systems, and jointly-owned companies are cross-referenced with operating subsidiaries. Ranking of companies according to number of ultimate customers is presented. Published annually in the fall. 53p.

Digest of Electric Utility Financial Ratios
Provides a method of calculation for the predominant ratios used by the industry in analyzing financial reports. Categories of ratios include Earnings and Return; Common Dividend; Coverages, Interest and Preferred Dividend; Balance Sheet; Revenue and Sales; Expense; Tax; Plant; Depreciation; other ratios, such as funds used during construction as percent of earnings and per share, capital expenditures, etc. Prepared by EEI Financial Ratios Subcommittee of the Statistical Committee. 31p.

EEI Pocketbook of Electric Utility Industry Statistics
A pocket-sized quick reference of national electric utility industry data, some dating from the early 1900's. Categories include data on installed capacity, generation, capital and finance, sales, revenue, customers, fuels and private and public ownership. Published annually in late fall. 36p.

Electric Power Equipment Report
This report presents data concerning the expansion of electric generating facilities, and the manufacture of heavy electric power equipment in the U.S. as of the end of the year. Included are orders and shipment information on the manufacture of heavy electric power equipment in the U.S. and foreign-made equipment to be imported by U.S. industrials and U.S. electric utility systems. Published annually in the fall. 32p.

Disk Version of EEI Statistical Yearbook
The 3 1/2" disk contains 88 LOTUS 1-2-3 files that print out as close approximations of the tables in the Statistical Yearbook. Filenames are in the form TABLEnn.WK1. Wherever possible, the same number of years have been included as in the printed version of the Statistical Yearbook. The LOTUS worksheet format facilitates easy extraction and manipulation of data series from the Yearbook tables without re-keying, as well as allowing the options of producing whole tables (or selected parts) in hard copy and LOTUS graphics. In addition to a "README" file, the disk contains a FILEINFO.WK1 worksheet file with descriptions of each table's contents, the same data in FILEINFO.PRN form that can be "typed" to the PC screen, and a FILEINFO.COM program with paging, printing, and keyword-finding functions to manipulate the table titles. Available in the fall.

Glossary of Electric Utility Terms
Provides practical definitions for terms commonly used in the electric utility industry. Since the last revision in 1984, the Glossary has been expanded to include information and terms on Demand-Side Management, Non-Utility Generation, Nuclear Generation and additional terms on financial and general operations. Prepared by the EEI Glossary of Electric Terms Subcommittee of the Statistical Committee. 61p.

Guidelines for Defining & Classifying Electric Customers by Major Energy Use
Provides guidelines within the electric utility industry for counting, classifying, and summarizing customers, categorizing sales and revenues by major energy use, and determining average use and average revenue per customer. The report contains definitions as well as the application of the definitions to specific situations and problem areas. Historically, the industry has based its classifications on rate schedules and it is probable that the recommendations in this report are unsuitable for rate analysis. However, the recommendations are offered as a basis for making a more significant market-oriented representation of sales statistics available to the industry, security analysts, and others with interest in electric utilities. 8p.

Problems and Limitations of Intercompany Comparisons of Investor-Owned Electric Utilities
Assists analysts and others who may wish to make industry-wide comparisons of investor-owned electric utilities. The report illustrates some of the main factors that can facilitate valid intercompany differences in performances. The Executive Summary briefly examines some of the more important factors that lead to performance differences between companies. The Discussion Section covers in greater detail many of the factors that can generate invalid and inaccurate comparisons. Prepared by EEI Problems and Limitations Subcommittee of the Statistical Committee. 51p.

Statistical Releases
Yearly subscription includes: 1) Electric Output, issued weekly for nine geographic divisions and total U.S.; data for latest 52-week period and calendar year to date; latest quarterly data for installed capacity, generation, customers and sales 2) Quarterly Statistical Report, presents latest sources of electricity, including net generation, net imports of electricity, and net amounts available for distribution; customers, sales, and revenues by class of electric service; average use and revenue data 3) Advance Release, issued in spring, includes selected tables that appear later in Statistical Yearbook 4) Statistical Yearbook of the Electric Utility Industry.

Statistical Yearbook of the Electric Utility Industry
Data compiled from company reports and other sources on operational and financial aspects of the total electric utility industry. Categories include national and state statistics on installed capacity; electric generation and supply; sales, revenue and customers by class of service; investor-owned data are presented for operating and related ratios; fuel use; financial; and general economics series. Prepared under the general guidance of the EEI Statistical Committee. Published annually in the fall. 104p.

Statistics, Non-Investor-Owned Electric Utilities
Financial and operating data on government-owned (municipal, state/public power district and federal) and government-financed (cooperative) electric power systems. Tables present data on installed capacity, generation, customers, sales and revenue, in addition to selected financial data. Published annually in the fall. 40p.

Statistics on Fuel Used to Generate Electricity by the Electric Utility Industry
Fuel data are presented for the United States by state and Census Division, detailed by type of fuel (coal, oil, natural gas and nuclear) for both the Total Electric Utility Industry and the Investor-Owned segment. Heat rate, average Btu content, and cost of fuel per kilowatthour, per million Btu, and per unit consumed are shown for the most recent and four preceding years. Published annually in the fall. 75p.

Order form located in back of book.

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Scope and Coverage

This publication presents data on the electric utility industry, including installed generating capacity, generation, energy sales, customers and revenues, financial and economic. These data are collected and compiled from various sources as indicated on page 3. In all sections, except the financial section, data are presented for investor-owned electric utilities and the total electric utility industry. Dissimilarity between the investor-owned and the publicly-owned segments of the electric utility industry would make overall financial data incompatible even if it were available. Therefore, in the financial section, data are shown for investor-owned electric utilities only.

1991 in Review

The *installed generating capacity* of the electric utility industry at December 31, 1991 was 738,259 megawatts, an increase of 0.4 percent over December 31, 1990. Nine states accounted for almost half of the generating capacity in the United States at the end of 1991: New York, Pennsylvania, Ohio, Illinois, Michigan, Florida, Texas, Washington and California.

No. of units added during 1991

Hydro	Conventional Steam	Nuclear Steam	Combustion Turbine	Internal Combustion
3	5	—	17	3

Statistics on capacity and generation from pumped storage are included in hydroelectric and those for gas turbine are included in conventional steam.

- During 1991, *peak electricity demand* (non-coincident summer peak load) measured 551,320 megawatts, up 1.1 percent from 1990 (Table 7).

- In 1991, *generation* by electric utilities totalled 2,823 billion kilowatthours, an increase of 0.5 percent over the previous year (Table 12). Of this output, 78.4 percent was produced by the investor-owned utilities, and the remaining 21.6 percent was generated by cooperatives and government-owned electric utilities.

- *Coal* remained the largest source of electric power with 54.9 percent of total generation. *Nuclear* energy was the second largest with a 21.7 percent share. Following in descending order were *hydro* (9.8 percent), *gas* (9.4 percent), *oil* (3.9 percent), and *"other"* sources of generation including geothermal, wood, waste, wind and solar (0.4 percent). Table 23 provides state, regional, and total U.S. generation by fuel sources and Table 24 presents the percent share of generation by fuel, state, region and total U.S.

- The average *cost per million BTU consumed* for fossil fuels was 169.6 cents for 1991, 2.6 percent below the 1990 average. Oil had the largest decrease, 11.5 percent, followed by gas, 5.6 percent, and coal, slightly increased 0.2 percent (Tables 27 and 29).

- *Electric output*, representing the total amount of electricity available for distribution, grew 2.3 percent in 1991. Unusually high temperatures for an extended period spurred the demand for electricity during the week ending July 27, 1991 to a record weekly high of 67.4 billion kilowatthours (Table 19).

- Electricity *sales* to ultimate customers totalled 2,732 billion kilowatthours, an increase of 1.8 percent over 1990 (Table 38). Residential sales, which grew 3.6 percent in 1991, accounted for 34.7 percent of this total. Sales to the commercial sector rose 2.2 percent last year while industrial demand decreased 0.3 percent. Commercial and industrial sales constituted 27.6 percent and 34.0 percent of sales respectively.

- *Ultimate Customers* for the total electric utility industry numbered 111,146,829 as of December 31, 1991. The investor-owned segment served 85,139,884 customers at year-end (Tables 47 and 48).

- Total *revenues* from ultimate customers of the total industry were $183.0 billion in 1991, up 3.7 percent from 1990 (Table 56). The average revenue per kilowatthour sold for all customers was 6.70 cents per kilowatthour in 1991, an increase of 2.0 percent (Table 63). This increase was slightly less than half the rise in the Consumer Price Index (Table 82), which translates to a fall in the *price of electricity* after adjustment for inflation.

- In 1991, electric plant *construction expenditures* for the investor-owned electric utility industry decreased to $23.4 billion (including nuclear fuel) from $24.2 billion in 1990. Of this 1991 total, $1.1 billion were allowance for funds used during construction (AFUDC). Construction expenditures for production of electricity declined for the ninth consecutive year to $8.3 billion in 1991 (Table 70).

- Total investor-owned utility *assets* in 1991 were $479.0 billion, up 1.5 percent from $471.9 billion in 1990. *Common capital stock* equity rose 1.1 percent to $149.8 billion in 1991. *Long-term debt* of $167.9 billion continued a gradual decline as a share of total capitalization to 49.1 percent in 1991 (Table 71).

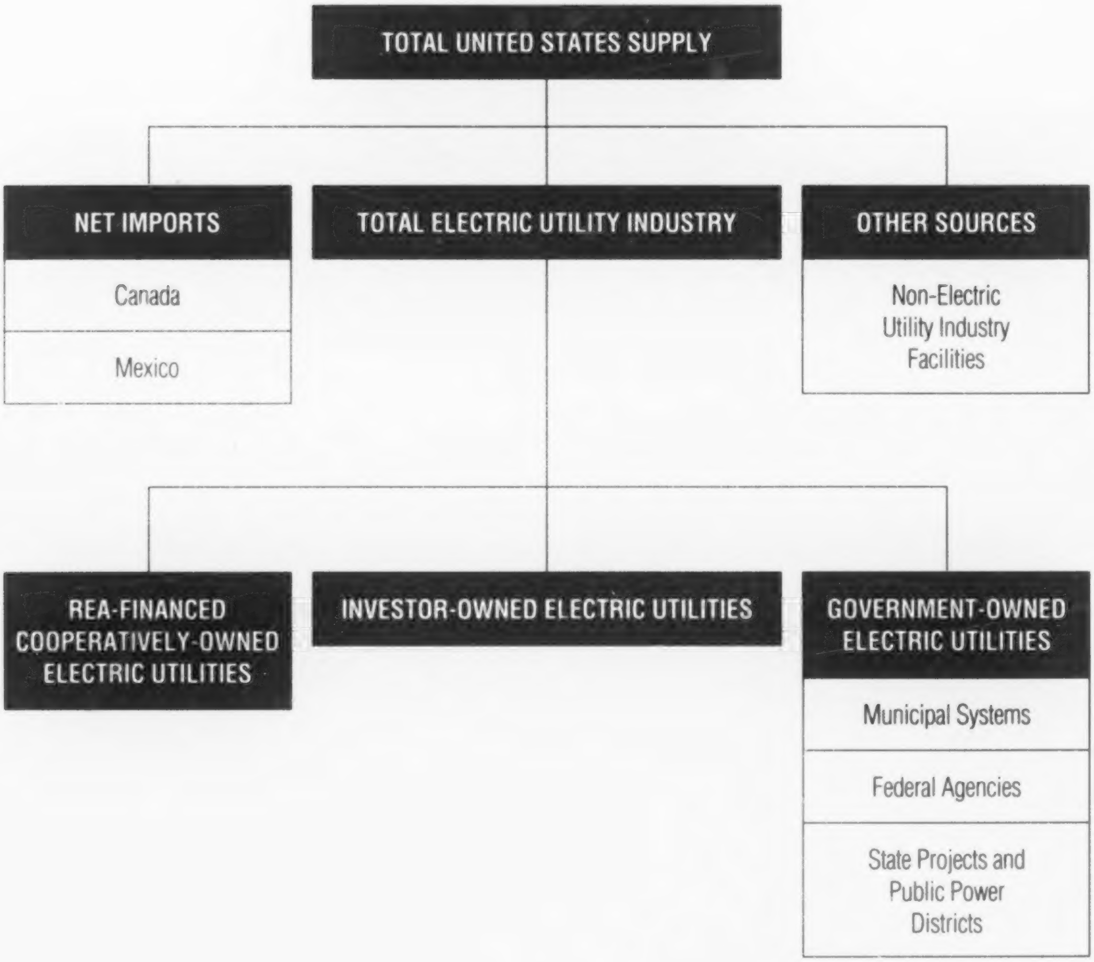
- Electric *operating revenues* for investor-owned utilities increased 5.3 percent in 1991 to $153.9 billion. *Operating expenses* also grew 5.3 percent in 1991 to $123.1 billion. The *operating ratio* (expenses divided by revenues) remained at 80.0 percent in 1991 (Table 72).

- Investor-owned utilities paid $21.9 billion in *taxes* charged to income in 1991 for electric departments. Of this amount, $9.5 billion was paid to the federal government and $12.3 billion was paid to state and local authorities (Table 74).

- *Cash and cash equivalents* increased $1.1 billion in 1991, whereas in 1990 this sum had a net decrease of $2.0 billion (Table 76).

- In 1991, investor-owned utilities raised $6.3 billion in new *long-term financing*, according to Ebasco Business Consulting Company. Of this total, 78.1 percent was *long-term debt*, 8.1 percent was *preferred stock*, and the remaining 13.8 percent was *common stock* (Table 77).

UNITED STATES SOURCES OF ELECTRIC GENERATION BY TYPE OF OWNERSHIP


TOTAL UNITED STATES SUPPLY
NET IMPORTS
Canada
Mexico
TOTAL ELECTRIC UTILITY INDUSTRY
OTHER SOURCES
Non-Electric Utility Industry Facilities
REA-FINANCED COOPERATIVELY-OWNED ELECTRIC UTILITIES
INVESTOR-OWNED ELECTRIC UTILITIES
GOVERNMENT-OWNED ELECTRIC UTILITIES
Municipal Systems
Federal Agencies
State Projects and Public Power Districts

	Total Electric Utility Industry			
			Increase	
	1991	1990	Amount	Percent
GENERATING CAPACITY — SECTION I (MW)				
Hydro	88,307p	87,235r	1,072	12.3
Conventional Steam	533,307p	531,147r	2,160	0.4
Nuclear Steam	107,980p	107,980r	0	0.0
Internal Combustion	8,662p	8,685r	(23)	(0.3)
Wind and Solar	4p	4r	0	0.0
Total Generating Capacity	738,259p	735,051r	3,208	0.4
ELECTRIC POWER SUPPLY — SECTION II (kW in Thousands)				
Capability at Time of Summer Peak Load (Contiguous U.S.)	690,915	685,091	5,824	0.9
Non-Coincident Summer Peak Load (Contiguous U.S.)	551,320	545,537	5,783	1.1
Capacity Margin (Contiguous U.S.)	20.2%	20.4%		
GENERATION — SECTION III (kWh in Millions)				
Hydro	275,516p	279,926r	(4,410)	(1.6)
Conventional Steam	1,933,030p	1,949,572r	(16,542)	(0.8)
Nuclear Steam	612,565p	576,862r	35,703	6.2
Internal Combustion	1,910p	1,788r	122	6.8
Wind and Solar	3p	2r	1	50.0
Total Generation	2,823,025p	2,808,151r	14,874	0.5
Received from Industrial Sources	136,559p	116,528r	20,031	17.2
Imports from Canada and Mexico	30,812	22,506	8,306	36.9
Total Energy Input†	2,990,396p	2,947,185r	43,211	1.5
FUEL — SECTION IV				
Average Cost of Fuel per Net kWh	1.75¢	1.80¢	(0.05)¢	(2.8)
Lbs. of Coal per Net kWh Generated	0.997p	0.997r	0.000	0.0
Average Btu per Net kWh Generated	10,322p	10,366r	(44)	(0.4)
ENERGY — SECTION V (Btus in Quadrillion)				
Annual Production of Energy	67.49p	67.85r	(0.36)	(0.5)
Total Energy Supply & Disposition	86.70p	86.20r	0.50	0.6
ENERGY SALES — SECTION VI (kWh in Millions)				
Residential	948,677p	915,799r	32,878	3.6
Commercial	754,884p	738,869r	16,015	2.2
Industrial	929,153p	931,877r	(2,724)	(0.3)
Street and Highway Lighting	15,276p	15,215r	61	0.4
Other	84,421p	82,216r	2,205	2.7
Total Sales to Ultimate Customers	2,732,411p	2,683,976r	48,435	1.8
Exports to Canada and Mexico	8,540	20,526	(11,986)	(58.4)
Energy Accounted for but Not Sold	9,498p	9,610r	(112)	(1.2)
Lost and Unaccounted for	239,947p	233,073r	6,874	2.9
Total Disposition of Energy†	2,990,396p	2,947,185r	43,211	1.5
kWh Used per Customer (Average for Year)				
Residential	9,738p	9,508r	230	2.4
Commercial	61,874p	61,277r	597	1.0
Industrial	1,774,171p	1,793,467r	(19,296)	(1.1)
Total Ultimate Customer	24,709p	24,551r	158	0.6
CUSTOMERS AT YEAR END — SECTION VII (Thousands)				
Residential	97,934p	97,034r	900	0.9
Commercial	12,255p	12,135r	120	1.0
Industrial	513p	508r	5	1.0
Street and Highway Lighting	208p	199r	9	4.5
Other	237p	225r	12	5.3
Total Ultimate Customers	111,147p	110,102r	1,045	0.9
REVENUES — SECTION VIII (Millions of Dollars)				
Residential	$ 75,668p	$ 71,666r	$ 4,002	5.6
Commercial	56,254p	54,193r	2,061	3.8
Industrial	45,046p	44,866r	180	0.4
Street and Highway Lighting	1,665p	1,633r	32	2.0
Other	4,393p	4,109r	284	6.9
Total Revenues from Ultimate Customers	$ 183,027p	$ 176,468r	$ 6,559	3.7
Exports to Canada and Mexico	103	461	(358)	(77.7)
Total Revenues from Sales of Energy	$ 183,129p	$ 176,929r	$ 6,200	3.5
Average Annual Revenue per Customer:				
Residential	$ 776.73p	$ 744.03r	$ 32.70	4.4
Commercial	$ 4,610.89p	$ 4,494.39r	$ 116.50	2.6
Total Ultimate Customers	$ 1,655.10p	$ 1,614.22r	$ 40.88	2.5
Average Revenue per kWh:				
Residential	7.98¢p	7.83¢r	0.15¢	1.9
Commercial	7.45¢p	7.33¢r	0.12¢	1.6
Total Ultimate Customers	6.70¢p	6.57¢r	0.13¢	2.0
ECONOMICS & OTHER — SECTION X				
Miles of Overhead Electric Line, 22kV and Above	642,325p	636,447r	5,878	0.9
Employees of Investor-Owned Electric Utilities (Year-End)	507,746p	510,595r	(2,849)	(0.6)
Plant Ratio-kWh Generated/kW of Capacity‡	3,832p	3,831r	1	0.0

Note: Total may not equal sum of components due to independent rounding.

† Excludes industrial for own use. ‡ On basis of installed nameplate capacity.

p Preliminary. r Revised. ( ) Denotes negative value.

FINANCIAL — SECTION IX (Millions of Dollars)

	Investor-Owned Electric Utilities			
			Increase	
COMBINED BALANCE SHEETS:	1991	1990	Amount	Percent
ASSETS				
Utility Plant:				
Electric	$ 482,128p	$ 459,801	$ 22,327	4.9
Other	28,439p	28,179	260	0.9
Total Utility Plant	510,567p	487,980	22,587	4.6
Accumulated Provision for Depreciation and Amortization	160,034p	147,136	12,898	8.8
Net Utility Plant	350,532p	340,844	9,688	2.8
Nuclear Fuel	20,592p	20,162	430	2.1
Accumulated Provision for Amortization of Nuclear Fuel Assemblies	13,781p	12,516	1,265	10.1
Net Nuclear Fuel	6,811p	7,646	(835)	(10.9)
Construction Work in Progress	19,969p	23,700	(3,731)	(15.7)
Net Total Utility Plant	377,312p	372,190	5,122	1.4
Other Property and Investment	21,224p	20,634r	590	2.9
Total Current and Accrued Assets	43,617p	42,738r	879	2.1
Total Deferred Debits	36,814p	36,309r	505	1.4
Total Assets	$ 478,967p	$ 471,871r	$ 7,096	1.5
CAPITALIZATION AND LIABILITIES				
Capitalization:				
Common Capital Stock	$ 59,137p	$ 56,884	$ 2,253	4.0
Other Paid-In Capital Excluding Retained Earnings	37,870p	37,127r	743	2.0
Retained Earnings	52,774p	54,100r	(1,326)	(2.5)
Total Common Capital Stock Equity	149,781p	148,111r	1,670	1.1
Preferred Stock	24,241p	24,189	52	0.2
Total Long-Term Debt	167,933p	165,686	2,247	1.4
Total Capitalization	341,956p	337,986r	3,970	1.2
Total Other Non-Current Liabilities	5,406p	5,224r	182	3.5
Total Current and Accrued Liabilities	53,687p	52,041r	1,646	3.2
Total Deferred Credits and Operating Reserves	28,132p	28,487r	(355)	(1.2)
Contributions in Aid of Construction	118p	102	16	15.7
Deferred Income Taxes	49,669p	48,031r	1,638	3.4
Total Liabilities	$ 478,967p	$ 471,871r	$ 7,096	1.5
COMBINED INCOME STATEMENTS:				
Operating Revenues — Electric Department	$ 153,902p	$ 146,172r	$ 7,730	5.3
Operation and Maintenance Expenses	85,082p	81,536r	3,546	4.3
Depreciation, Depletion, Amortization and Property Losses	16,162p	15,372	790	5.1
Deferred Expenses	(59)p	(323)	264	N/M
Taxes	21,874p	20,272r	1,602	7.9
Total Operating Expenses	123,057p	116,858r	6,199	5.3
Operating Income	30,845p	29,314r	1,531	5.2
Other Income (Non-Operating), Net	(284)p	1,489	(1,773)	N/M
Other Departments	1,503p	1,429	74	5.2
Income Before Interest Charges (Gross Income)	32,064p	32,232r	(168)	(0.5)
Net Interest Charges	15,939p	15,629r	310	2.0
Income Before Extraordinary Items	16,125p	16,603	478	2.9
Extraordinary Items	(216)p	182	(398)	N/M
Net Income	15,909p	16,785r	(876)	(5.2)
Preferred Dividend Charges	1,875p	1,944	(69)	(3.5)
Available for Common Stock	14,034p	14,841r	(807)	(5.4)
Common Dividends	13,410p	13,320r	90	0.7
Net Income After Dividends	$ 624p	$ 1,520r	$ (896)	(58.9)
Electric Utility Financing:				
Long-Term Debt	$ 8,851	$ 7,318	$ 1,533	20.9
Preferred Stock	573	716	(143)	(20.0)
Common Stock	932	217	715	329.5
Total Capital	$ 10,356	$ 8,250	$ 2,106	25.5
Construction Expenditures:				
Production	$ 8,321p	$ 8,833r	(512)	(5.8)
Transmission	2,293p	2,441r	(148)	(6.1)
Distribution	8,781p	9,100r	(319)	(3.5)
Other	2,437p	2,163r	274	12.7
Total	$ 21,833p	$ 22,537r	$ (704)	(3.1)

Note: Total may not equal sum of components due to independent rounding.
p Preliminary. r Revised. ( ) Denotes negative Value. N/M Not Meaningful.

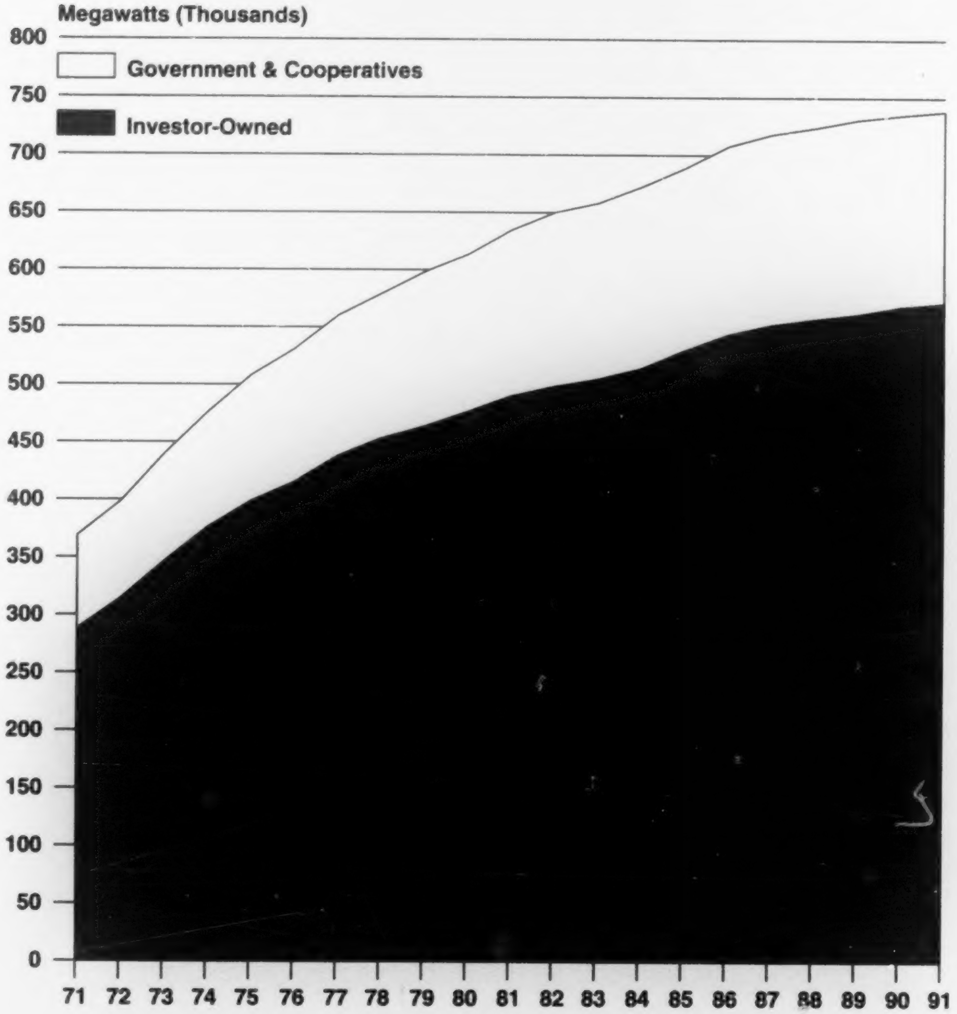
SECTION I

GENERATING CAPACITY

CHART I-A

INSTALLED GENERATING CAPACITY

TOTAL UNITED STATES



Based on Table 1, page 7.
Sources: U.S. Department of Energy. Energy Information Administration. Monthly Power Plant Report *(EIA-759),* Annual Electric Generator Report *(EIA-860) and* Annual Electric Utility Report *(EIA-861).*

TABLE 1

INSTALLED GENERATING CAPACITY IN THE UNITED STATES

MEGAWATTS (NAMEPLATE)

At December 31st	Investor-Owned Utilities	Government and Cooperatives	Total Electric Utility Industry	Other Sources*	Total United States
1991p	**571,909**	**166,350**	**738,259**	**50,052**	**788,311**
1990r	568,769	166,282	735,051	45,127	780,178
1989	562,127	168,757	730,883	40,267	771,150
1988	557,756	166,097	723,852	33,741	757,593
1987	552,795	165,261	718,056	30,015	748,071
1986	544,199	163,485	707,684	25,321	733,005
1985	530,405	158,328	688,733	22,920	711,653
1984	514,863	157,600	672,462	17,371e	689,833
1983	505,487	152,695	658,182	16,765e	674,947
1982	499,111	150,994	650,105	16,938e	667,043
1981	490,767	144,041	634,808	17,142e	651,950
1980	477,083	136,612	613,695	17,323e	631,018
1979	464,144	134,299	598,443	17,436	615,879
1978	453,647	125,665	579,312	19,391	598,703
1977	438,385	121,976	560,361	19,245	579,606
1976	415,504	115,658	531,162	19,113	550,275
1975	399,036	109,378	508,414	19,177	527,591
1974	376,122	100,046	476,168	19,351	495,519
1973	346,476	93,399	439,875	19,377	459,252
1972	314,353	84,400	398,753	18,768	417,521
1971	288,301	80,779	369,080	19,297	388,377

Note: Total may not equal sum of components due to independent rounding.

**Includes non-electric utility industry facilities.*

p Preliminary. r Revised. e Estimated.

Sources: U.S. Department of Energy. Energy Information Administration. Monthly Power Plant Report *(EIA-759),* Annual Electric Generator Report *(EIA-860),* Annual Electric Utility Report *(EIA-861), and Edison Electric Institute.*

TABLE 2

INSTALLED GENERATING CAPACITY TOTAL ELECTRIC UTILITY INDUSTRY

BY OWNERSHIP AND TYPE OF PRIME MOVER DRIVING THE GENERATOR
MEGAWATTS (NAMEPLATE)

At December 31st	Total Electric Utility Industry	Investor-Owned Utilities	Cooperatives	Subtotal Government	Municipal Utilities	Federal	Power Districts, State Projects
TOTAL (Capacity of Generators Driven by All Types of Prime Mover)							
1991p	**738,259**	**571,909**	**26,453**	**139,897**	**40,206**	**65,434**	**34,257**
1990r	735,051	568,769	26,337	139,945	40,115	65,434	34,397
1989	730,883	562,127	26,358	142,399	40,668	67,193	34,537
1988	723,852	557,756	26,383	139,714	40,388	64,792	34,533
1987	718,056	552,795	26,359	138,902	39,378	64,666	34,858
1986	707,684	544,199	26,430	137,055	38,584	63,864	34,607
1985	688,733	530,405	24,574	133,754	37,017	63,710	33,027
1984	672,462	514,863	24,738	132,862	36,717	63,304	32,841
1983	658,182	505,487	22,202	130,493	36,598	62,973	30,923
1982	650,105	499,111	21,463	129,530	35,819	62,544	31,168
1981	634,808	490,767	18,406	125,635	35,125	60,982	29,527
1980	613,695	477,083	15,422	121,190	34,598	59,083	27,509
1979	598,443	464,144	13,837	120,462	34,525	58,346	27,591
1978	579,312	453,647	11,635	114,030	34,426	54,282	25,322
1977	560,361	438,385	10,889	111,087	33,291	53,183	24,613
1976	531,162	415,504	9,947	105,711	30,602	51,707	23,402
1975	508,414	399,036	9,136	100,242	28,787	50,133	21,322
1974	476,168	376,122	7,474	92,572	27,324	45,518	19,730
1973	439,875	346,476	7,288	86,111	24,956	44,520	16,635
1972	398,753	314,353	6,704	77,696	23,049	40,408	14,239
1971	369,080	288,301	5,470	75,309	21,992	39,656	13,661
HYDRO (Capacity of Generators Driven by Water Wheels and Turbines)							
1991p	**88,307**	**30,263**	**171**	**57,873**	**5,594**	**39,359**	**12,920**
1990r	87,235	29,198	170	57,867	5,588	39,359	12,920
1989	87,506	29,651	169	57,685	5,548	39,237	12,900
1988	86,886	29,680	169	57,037	5,467	38,713	12,856
1987	85,910	29,149	113	56,648	5,401	38,438	12,809
1986	85,165	28,949	116	56,100	5,952	37,636	12,512
1985	83,015	27,571	104	55,340	5,159	37,631	12,550
1984	80,590	26,127	81	54,382	4,850	37,139	12,393
1983	78,968	24,977	81	53,910	4,781	36,803	12,326
1982	78,128	24,584	81	53,464	4,729	36,378	12,357
1981	77,145	24,319	67	52,759	4,686	35,891	12,182
1980	76,378	24,227	67	52,084	4,692	35,212	12,180
1979	75,351	23,916	67	51,368	4,693	34,495	12,180
1978	71,014	23,847	67	47,100	4,694	30,431	11,975
1977	68,762	23,158	67	45,537	4,431	29,332	11,774
1976	67,757	23,134	67	44,556	4,010	29,031	11,515
1975	65,949	23,115	67	42,767	3,760	27,480	11,527
1974	63,560	22,737	54	40,769	3,814	25,447	11,508
1973	61,782	21,770	56	39,956	3,334	25,582	11,040
1972	56,386	19,122	54	37,210	3,330	24,336	9,544
1971	55,912	19,076	54	36,782	3,260	24,056	9,466
CONVENTIONAL STEAM† (Capacity of Generators Driven by Steam Engines and Turbines)							
1991p	**533,307**	**438,920**	**26,001**	**68,386**	**31,350**	**20,177**	**16,859**
1990r	531,147	436,810	25,891	68,447	31,274	20,177	16,995
1989	529,144	433,140	25,898	70,106	30,896	22,058	17,152
1988	526,564	432,556	25,916	68,091	30,722	20,177	17,192
1987	524,286	431,677	25,950	66,659	29,629	20,326	16,704
1986	524,136	432,601	25,963	65,571	28,495	20,326	16,750
1985	520,299	433,103	24,098	63,098	27,764	20,177	15,156
1984	516,537	429,047	24,278	63,212	27,788	20,244	15,181
1983	507,136	422,944	21,767	62,424	27,737	20,244	14,444
1982	503,804	420,863	21,011	61,930	27,026	20,246	14,658
1981	491,287	413,571	17,939	59,778	26,199	20,392	13,187
1980	475,276	403,031	14,954	57,291	25,697	20,393	11,201
1979	462,999	392,349	13,375	57,275	25,599	20,378	11,298
1978	449,231	383,024	11,073	55,134	25,511	20,378	9,245
1977	436,426	371,976	10,429	54,021	24,590	20,378	9,053
1976	415,181	355,263	9,061	50,857	22,396	20,355	8,106
1975	397,649	340,907	8,264	48,478	20,843	20,332	7,303
1974	375,940	323,490	7,017	45,433	20,395	18,899	6,139
1973	352,072	303,536	6,836	41,700	18,511	18,917	4,272
1972	322,201	279,129	6,254	36,818	16,895	16,052	3,871
1971	299,996	260,016	5,018	34,962	16,026	15,576	3,360

See page 9 for footnotes.

TABLE 2 (continued)

INSTALLED GENERATING CAPACITY TOTAL ELECTRIC UTILITY INDUSTRY

BY OWNERSHIP AND TYPE OF PRIME MOVER DRIVING THE GENERATOR
MEGAWATTS (NAMEPLATE)

At December 31st	Total Electric Utility Industry	Investor-Owned Utilities	Cooperatives	Subtotal Government	Municipal Utilities	Federal	Power Districts, State Projects
NUCLEAR STEAM (Capacity of Generators Driven by Nuclear Reactors)							
1991p	**107,980**	**97,649**	**—**	**10,331**	**—**	**5,897**	**4,434**
1990r	107,980	97,649	—	10,331	—	5,897	4,434
1989	106,748	95,454	—	11,294	963	5,897	4,434
1988	103,397	92,103	—	11,294	963	5,897	4,434
1987	101,604	89,450	—	12,154	963	5,897	5,294
1986	92,417	80,213	50	12,154	963	5,897	5,294
1985	80,397	68,238	50	12,109	963	5,897	5,249
1984	70,484	58,380	50	12,054	963	5,897	5,194
1983	67,073	56,069	50	10,954	963	5,897	4,094
1982	63,042	52,038	50	10,954	963	5,897	4,094
1981	60,776	50,992	50	9,734	963	4,677	4,094
1980	56,488	47,960	50	8,478	963	3,456	4,059
1979	54,593	46,065	50	8,478	963	3,456	4,059
1978	53,527	44,984	65	8,478	963	3,456	4,059
1977	49,880	41,654	55	8,171	963	3,456	3,752
1976	42,918	35,419	480	7,019	963	2,304	3,752
1975	39,754	33,539	480	5,735	963	2,304	2,468
1974	31,662	28,397	55	3,210	—	1,152	2,058
1973	21,118	19,766	53	1,299	—	—	1,299
1972	15,302	14,449	53	800	—	—	800
1971	8,688	7,833	55	800	—	—	800
INTERNAL COMBUSTION (Capacity of Generators Driven by Internal Combustion Engines)							
1991p	**8,662**	**5,077**	**281**	**3,304**	**3,260**	**—**	**45**
1990r	8,685	5,111	276	3,298	3,250	—	48
1989	7,482	3,880	290	3,311	3,258	1	52
1988	6,999	3,416	298	3,285	3,233	—	52
1987	6,212	2,484	296	3,432	3,381	—	52
1986	5,944	2,420	301	3,224	3,171	—	52
1985	5,001	1,477	322	3,202	3,130	*	72
1984	4,841	1,306	330	3,205	3,115	17	73
1983	4,996	1,494	304	3,198	3,117	22	58
1982	5,131	1,627	321	3,182	3,101	22	60
1981	5,600	1,885	351	3,364	3,278	22	65
1980	5,553	1,865	351	3,337	3,246	22	69
1979	5,500	1,814	345	3,341	3,270	17	54
1978	5,540	1,792	430	3,318	3,258	17	43
1977	5,293	1,597	338	3,358	3,307	17	34
1976	5,306	1,688	339	3,279	3,233	17	29
1975	5,062	1,475	325	3,262	3,221	17	24
1974	5,006	1,498	348	3,160	3,115	20	25
1973	4,903	1,404	343	3,156	3,111	21	24
1972	4,864	1,653	343	2,868	2,824	20	24
1971	4,484	1,376	343	2,765	2,706	24	35
WIND‡ (Capacity of Generators Driven by Wind Turbines)							
1991p	**1**	*	*	*	*	*	**—**
1990r	1	*	*	*	*	*	—
1989	*	*	*	*	*	*	—
1988	4	*	*	4	*	4	—
1987	26	22	—	4	*	4	—
1986	8	3	—	4	*	4	—
1985	7	3	—	4	*	4	—
SOLAR††† (Capacity of Generators Driven by Photovoltaic and Solar Thermal Energy)							
1991p	**3**	**1**	**—**	**2**	**2**	**—**	**—**
1990r	3	1	—	2	2	—	—
1989	3	1	—	2	2	—	—
1988	2	*	—	2	2	—	—
1987	17	13	—	4	4	—	—
1986	15	13	—	2	2	—	—
1985	14	13	—	1	1	—	—

Note: Total may not equal sum of components due to independent rounding.
**Less than five hundred kilowatts.*
† Includes Gas Turbines and Combined Cycle Combustion Turbines.
‡ Prior to 1983 capacity by wind not available.
††† Prior to 1984 capacity by solar not available.
p Preliminary. r Revised.
Sources: U.S. Department of Energy. Energy Information Administration. Monthly Power Plant Report *(EIA—759)*, Annual Electric Power Report *(EIA—860), and* Annual Electricity Utility Report *(EIA-861).*

TABLE 3

INSTALLED GENERATING CAPACITY TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND TYPE OF PRIME MOVER DRIVING THE GENERATOR
AT DECEMBER 31st, 1990 and 1991 — MEGAWATTS (NAMEPLATE)

	Total Electric Utility Industry†		Hydro		Conventional Steam‡		Nuclear Steam		Internal Combustion	
State/Division	1991p	1990r	1991p	1990r	1991p	1990r	1991p	1990r	1991p	1990r
Total United States	**738,259**	**735,051**	**88,307**	**87,235**	**533,307**	**531,147**	**107,980**	**107,980**	**8,662**	**8,685**
Maine	2,422	2,422	386	386	1,104	1,104	890	890	42	42
New Hampshire	2,602	2,602	262	262	1,143	1,143	1,197	1,197	—	—
Vermont	1,111	1,111	357	357	170	170	563	563	20	20
Massachusetts	10,081	10,056	1,648	1,648	7,365	7,329	863	863	204	216
Rhode Island	275	275	2	2	243	243	—	—	30	30
Connecticut	7,432	7,432	133	133	3,491	3,491	3,425	3,425	383	383
New England	**23,923**	**23,898**	**2,787**	**2,787**	**13,516**	**13,480**	**6,938**	**6,938**	**680**	**692**
New York	33,298	33,298	5,044	5,044	22,906	22,906	5,234	5,234	115	115
New Jersey	14,993	14,902	387	387	10,438	10,347	4,160	4,160	8	8
Pennsylvania	36,808	36,959	1,858	1,858	25,374	25,525	9,511	9,511	65	65
Middle Atlantic	**85,099**	**85,159**	**7,288**	**7,288**	**58,718**	**58,778**	**18,905**	**18,905**	**188**	**188**
Ohio	29,261	28,886	125	125	26,841	26,466	2,178	2,178	117	117
Indiana	22,964	22,876	92	92	22,714	22,626	—	—	158	158
Illinois	36,923	36,923	12	12	22,405	22,405	13,734	13,734	773	773
Michigan	24,107	24,106	2,337	2,337	17,088	17,088	4,326	4,326	356	355
Wisconsin	11,053	11,066	447	447	8,921	8,933	1,583	1,583	103	103
East North Central	**124,307**	**123,856**	**3,012**	**3,012**	**97,968**	**97,517**	**21,821**	**21,821**	**1,507**	**1,506**
Minnesota	9,243	9,243	138	138	7,098	7,098	1,755	1,755	252	252
Iowa	8,752	8,647	130	130	7,649	7,544	597	597	376	376
Missouri	16,669	16,669	1,064	1,064	13,985	13,985	1,236	1,236	384	384
North Dakota	4,677	4,677	517	517	4,135	4,135	—	—	25	25
South Dakota	2,728	2,711	1,705	1,705	974	952	—	—	49	54
Nebraska	5,739	5,879	183	183	3,966	4,102	1,338	1,338	253	256
Kansas	10,805	10,795	2	2	8,988	8,988	1,236	1,236	579	569
West North Central	**58,613**	**58,621**	**3,739**	**3,739**	**46,795**	**46,804**	**6,161**	**6,161**	**1,918**	**1,916**
Delaware	2,285	2,141	—	—	2,276	2,132	—	—	9	9
Maryland	11,626	10,523	494	494	8,986	7,883	1,829	1,829	318	318
District of Columbia	868	868	—	—	868	868	—	—	—	—
Virginia	14,611	14,611	3,058	3,058	7,879	7,879	3,655	3655	20	20
West Virginia	15,078	15,078	101	101	14,977	14,977	—	—	—	—
North Carolina	20,882	20,882	1,933	1,933	13,824	13,824	5,125	5,125	—	—
South Carolina	17,409	16,320	3,413	2,348	7,195	7,171	6,799	6,799	1	1
Georgia	21,267	21,267	2,443	2,443	14,554	14,554	3,950	3,950	320	320
Florida	36,178	36,170	43	43	29,533	29,533	4,110	4,110	2,492	2,484
South Atlantic	**140,203**	**137,860**	**11,485**	**10,420**	**100,092**	**98,821**	**25,468**	**25,648**	**3,159**	**3,151**
Kentucky	17,345	17,345	746	746	16,584	16,584	—	—	14	14
Tennessee	18,213	18,213	3,717	3,717	12,054	12,054	2,441	2,441	—	—
Alabama	21,362	21,252	2,857	2,857	13,273	13,163	5,233	5,233	—	—
Mississippi	7,186	7,186	—	—	5,734	5,734	1,373	1,373	79	79
East South Central	**64,106**	**63,996**	**7,321**	**7,321**	**47,646**	**47,536**	**9,046**	**9,046**	**93**	**93**
Arkansas	9,857	9,857	1,161	1,161	6,814	6,814	1,845	1,845	37	37
Louisiana	18,094	18,094	—	—	15,785	15,785	2,236	2,236	72	72
Oklahoma	13,674	13,607	996	996	12,553	12,486	—	—	125	125
Texas	66,164	65,982	624	620	61,447	61,272	3,924	3,924	169	166
West South Central	**107,789**	**107,540**	**2,781**	**2,777**	**96,599**	**96,357**	**8,005**	**8,005**	**404**	**401**
Montana	4,936	4,936	2,276	2,276	2,659	2,659	—	—	—	—
Idaho	2,064	2,064	2,009	2,009	50	50	—	—	5	5
Wyoming	6,176	6,176	266	266	5,895	5,895	—	—	15	15
Colorado	6,722	6,722	1,034	1,034	5,607	5,607	—	—	80	80
New Mexico	5,502	5,502	55	55	5,432	5,432	—	—	15	15
Arizona	16,414	16,494	2,685	2,685	9,515	9,595	4,210	4,210	4	4
Utah	5,249	5,247	224	222	4,949	4,949	—	—	76	76
Nevada	5,374	5,133	1,031	1,031	4,309	4,039	—	—	33	62
Mountain	**52,435**	**52,272**	**9,580**	**9,578**	**38,417**	**38,227**	**4,210**	**4,210**	**230**	**258**
Washington	23,389	23,389	19,842	19,842	2,343	2,343	1,200	1,200	4	4
Oregon	10,616	10,616	8,123	8,123	1,272	1,272	1,216	1,216	6	6
California	44,478	44,548	12,104	12,104	27,316	27,386	5,011	5,011	45	45
Pacific	**78,483**	**78,553**	**40,068**	**40,068**	**30,931**	**31,001**	**7,427**	**7,427**	**55**	**55**
Alaska	1,760	1,755	242	241	1,248	1,248	—	—	270	266
Hawaii	1,542	1,542	3	3	1,379	1,379	—	—	159	159
Alaska & Hawaii	**3,301**	**3,296**	**245**	**244**	**2,627**	**2,627**	**—**	**—**	**430**	**426**

Note: Total may not equal sum of components due to independent rounding.

† Total includes wind turbine capacity (199 0—0.6MW; 1991—0.6MW) and solar energy capacity (1990—3.4MW; 1991—3.4MW).

‡ Includes Gas Turbines and Combined Cycle Combustion Turbines.

p Preliminary. r Revised.

Sources: U.S. Department of Energy. Energy Information Administration. Annual Electric Generator Report*(EIA—860), and* Annual Electric Utility Report *(EIA—861).*

TABLE 4

INSTALLED GENERATING CAPACITY INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND TYPE OF PRIME MOVER DRIVING THE GENERATOR
AT DECEMBER 31st, 1990 and 1991 — MEGAWATTS (NAMEPLATE)

	Total Investor-Owned Utilities†		Hydro		Conventional Steam‡		Nuclear Steam		Internal Combustion	
State/Division	1991p	1990r	1991p	1990r	1991p	1990r	1991p	1990r	1991p	1990r
Total United States	**571,909**	**568,769**	**30,263**	**29,198**	**438,920**	**436,810**	**97,649**	**97,649**	**5,077**	**5,111**
Maine	2,419	2,419	386	386	1,104	1,104	890	890	39	39
New Hampshire	2,602	2,602	262	262	1,143	1,143	1,197	1,197	—	—
Vermont	1,005	1,005	332	332	92	92	563	563	18	18
Massachusetts	9,164	9,164	1,645	1,645	6,511	6,511	863	863	145	145
Rhode Island	273	273	—	—	243	243	—	—	30	30
Connecticut	7,373	7,373	130	130	3,452	3,452	3,425	3,425	367	367
New England	**22,836**	**22,836**	**2,755**	**2,755**	**12,544**	**12,544**	**6,938**	**6,938**	**599**	**599**
New York	26,223	26,223	895	895	21,947	21,947	3,338	3,338	43	43
New Jersey	14,896	14,805	387	387	10,341	10,250	4,160	4,160	8	8
Pennsylvania	36,786	36,937	1,836	1,836	25,374	25,525	9,511	9,511	65	65
Middle Atlantic	**77,905**	**77,965**	**3,118**	**3,118**	**57,661**	**57,721**	**17,009**	**17,009**	**116**	**116**
Ohio	28,349	27,974	48	48	26,050	25,675	2,178	2,178	74	74
Indiana	21,400	21,312	92	92	21,171	21,083	—	—	137	137
Illinois	35,790	35,790	12	12	21,521	21,521	13,734	13,734	523	523
Michigan	22,533	22,533	2,297	2,297	15,759	15,759	4,326	4,326	151	151
Wisconsin	9,816	9,829	404	404	7,803	7,815	1,583	1,583	27	27
East North Central	**117,888**	**117,438**	**2,852**	**2,852**	**92,305**	**91,854**	**21,821**	**21,821**	**912**	**912**
Minnesota	8,302	8,302	132	132	6,411	6,411	1,755	1,755	4	4
Iowa	7,554	7,449	127	127	6,811	6,706	597	597	20	20
Missouri	11,964	11,964	596	596	10,084	10,084	1,236	1,236	48	48
North Dakota	607	607	—	—	606	606	—	—	*	*
South Dakota	815	798	*	*	771	749	—	—	43	48
Nebraska	—	—	—	—	—	—	—	—	—	—
Kansas	8,259	8,259	2	2	7,015	7,015	1,236	1,236	6	6
West North Central	**37,500**	**37,378**	**857**	**857**	**31,697**	**31,570**	**4,824**	**4,824**	**121**	**126**
Delaware	2,085	1,981	—	—	2,085	1,981	—	—	—	—
Maryland	11,528	10,425	494	494	8,951	7,848	1,829	1,829	255	255
District of Columbia	868	868	—	—	868	868	—	—	—	—
Virginia	14,365	14,365	2,821	2,821	7,877	7,877	3,655	3,655	12	12
West Virginia	15,078	15,078	101	101	14,977	14,977	—	—	—	—
North Carolina	20,127	20,127	1,481	1,481	13,520	13,520	5,125	5,125	—	—
South Carolina	14,251	13,162	2,911	1,846	4,541	4,517	6,799	6,799	—	—
Georgia	19,687	19,687	881	881	14,536	14,536	3,950	3,950	320	320
Florida	27,472	27,472	*	*	21,144	21,144	4,110	4,110	2,218	2,218
South Atlantic	**125,461**	**123,165**	**8,690**	**7,625**	**88,500**	**87,269**	**25,468**	**25,648**	**2,804**	**2,804**
Kentucky	8,546	8,546	110	110	8,435	8,435	—	—	—	—
Tennessee	172	172	172	172	—	—	—	—	—	—
Alabama	12,155	12,155	1,583	1,583	8,796	8,796	1,777	1,777	—	—
Mississippi	6,414	6,414	—	—	4,963	4,963	1,373	1,373	79	79
East South Central	27,286	27,286	1,865	1,865	22,194	22,194	3,149	3,149	79	79
Arkansas	8,401	8,401	65	65	6,485	6,485	1,845	1,845	6	6
Louisiana	15,221	15,221	—	—	12,985	12,985	2,236	2,236	—	—
Oklahoma	10,398	10,331	—	—	10,373	10,306	—	—	25	25
Texas	54,961	54,786	91	91	50,911	50,736	3,924	3,924	36	36
West South Central	**88,981**	**88,739**	**156**	**156**	**80,754**	**80,512**	**8,005**	**8,005**	**67**	**67**
Montana	3,604	3,604	945	945	2,659	2,659	—	—	—	—
Idaho	1,370	1,370	1,315	1,315	50	50	—	—	5	5
Wyoming	4,202	4,202	2	2	4,185	4,185	—	—	15	15
Colorado	3,086	3,086	342	342	2,719	2,719	—	—	26	26
New Mexico	5,041	5,041	—	—	5,026	5,026	—	—	15	15
Arizona	8,546	8,626	7	7	4,326	4,406	4,210	4,210	4	4
Utah	2,816	2,816	59	59	2,758	2,758	—	—	—	—
Nevada	4,352	4,111	9	9	4,309	4,039	—	—	33	62
Mountain	**33,017**	**32,856**	**2,678**	**2,678**	**26,032**	**25,842**	**4,210**	**4,210**	**97**	**126**
Washington	3,304	3,304	958	958	2,343	2,343	—	—	3	3
Oregon	3,967	3,967	1,485	1,485	1,260	1,260	1,216	1,216	6	6
California	32,088	32,158	4,829	4,829	22,216	22,286	5,011	5,011	32	32
Pacific	**39,359**	**39,429**	**7,273**	**7,273**	**25,819**	**25,889**	**6,227**	**6,227**	**40**	**40**
Alaska	134	134	16	16	35	35	—	—	83	83
Hawaii	1,542	1,542	3	3	1,379	1,379	—	—	159	159
Alaska & Hawaii	**1,676**	**1,676**	**20**	**20**	**1,414**	**1,414**	**—**	**—**	**242**	**242**

Note: Total may not equal sum of components due to independent rounding.

† Total includes wind turbine capacity (1990—0.4MW; 1991—0.4MW) and solar energy capacity (1990—1.1MW; 1991—1.1MW).

‡ Includes Gas Turbines and Combined Cycle Combustion Turbines.

** Less than five hundred kilowatts.*

p Preliminary. r Revised.

Sources: U.S. Department of Energy, Energy Information Administration. Annual Electric Generator Report *(EIA—860), and* Annual Electric Utility Report *(EIA—861).*

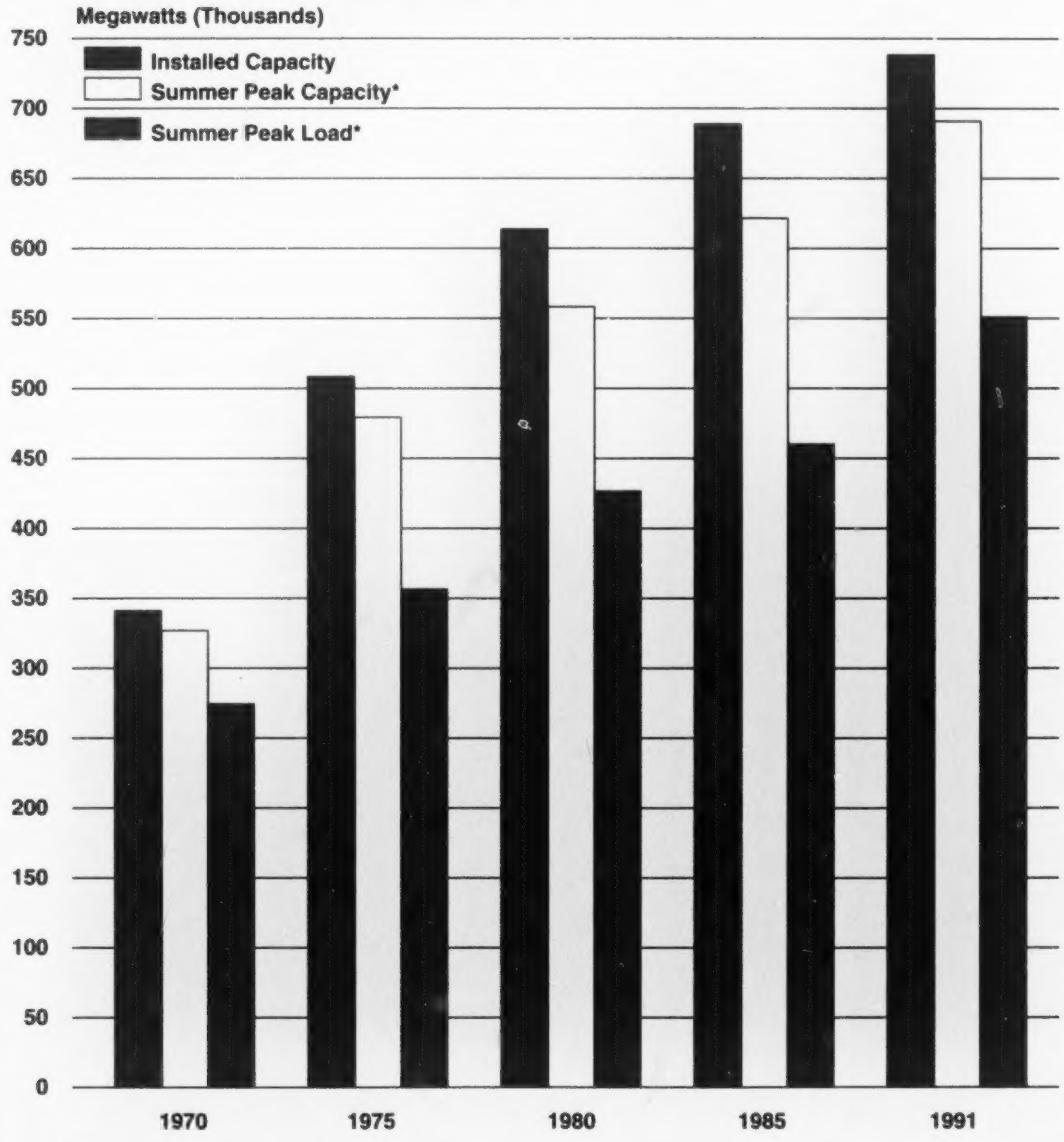
SECTION II

ELECTRIC POWER SUPPLY

CHART II-A

CAPACITY, CAPABILITY & PEAK LOAD

TOTAL ELECTRIC UTILITY INDUSTRY



*Excludes Alaska & Hawaii.

Based on Table 1, page 7 and Table 7, page 13.

Sources: U.S. Department of Energy. Energy Information Administration. Monthly Power Plant Report *(EIA-759),* Annual Electric Generator Report *(EIA-860) and* Annual Electric Monthly Report *(EIA-861);*
Edison Electric Institute, Electric Power Annual Report.

TABLE 7

CAPABILITY*— PEAK LOAD — KILOWATTHOUR REQUIREMENTS TOTAL ELECTRIC UTILITY INDUSTRY

(EXCLUDING ALASKA AND HAWAII)

Year	Capability at Time of Summer Peak Load (MW)	Non-Coincident Summer Peak Load (MW)	Capability at Time of Winter Peak Load (MW)†	Non-Coincident Winter Peak Load (MW)†	Capacity Margin Based on Non-Coincident Peak Load (%)†‡	Annual Kilowatthour Requirements (in Millions)	Annual Load Factor Based on Peak Load (%)
1991	**690,915**	**551,320**	**703,212**	**485,435**	**20.2**	**2,941,669**	**60.9**
1990	685,091	545,537	696,757	484,014	20.4	2,886,496	60.4
1989	673,316	523,432	685,249	496,378	22.3	2,849,824	62.2
1988	661,580	529,460	676,940	466,533	20.0	2,768,858	59.5
1987	648,118	496,185	662,977	448,277	23.4	2,643,532	60.8
1986	633,291	476,320	646,721	422,857	24.8	2,532,104	60.7
1985	621,597	460,503	636,475	423,660	25.9	2,499,226	62.0
1984	604,240	451,150	622,125	436,374	25.3	2,445,603	59.7
1983	596,449	447,526	612,453	410,779	25.0	2,341,633	59.5
1982	586,142	415,618	598,066	373,985	29.1	2,258,744	62.0
1981	572,219	429,349	586,569	397,800	25.0	2,311,026	61.0
1980	558,237	427,058	572,195	384,567	23.5	2,292,718	61.0
1979	544,506	398,424	554,525	368,876	26.8	2,246,927	64.4
1978	545,700	408,050	561,550	383,100	25.2	2,218,700	62.1
1977	516,000	396,350	537,600	360,200	23.2	2,132,300	61.4
1976	498,750	370,900	511,000	349,850	25.6	2,039,500	62.6
1975	479,300	356,800	492,450	331,100	25.6	1,919,500	61.4
1974	444,400	349,250	467,400	302,500	21.4	1,871,700	61.2
1973	415,500	343,900	433,150	295,150	17.2	1,868,800	62.0
1972	381,700	319,150	394,050	290,950	16.4	1,752,200	62.5
1971	353,250	292,100	366,700	261,650	17.3	1,617,100	63.2

* *Capability represents the maximum kilowatt output with all power sources available and with hydraulic equipment under actual water conditions. It must, therefore, provide the necessary allowance for maintenance, emergency outages, and system operating requirements. This rating is more indicative of the actual generating ability of existing power stations than the familiar nameplate rating as used in other tables of this publication.*

† *Beginning in 1973 capability and peak load data shown under Winter represent turn-of-year data for the winter season that follows the summer peak load data for that calendar year. Previously, data in this series was always for the month of December.*

‡ *Calculated from the maximum non-coincident peak load, summer or winter, and the capability at the time of this peak load. Percent Capacity Margin is the difference between capability and peak load divided by capability multiplied by 100.*

Sources: North American Electric Reliability Council and Edison Electric Institute. All data series shown have a discontinuity between 1978 and 1979 because of the switch to NERC data. For calculation of percent changes between 1978 and 1979, see old series values for 1979 in Table 6 of 1979 edition.

TABLE 8

ELECTRICITY MADE AVAILABLE IN THE UNITED STATES

KILOWATTHOURS IN MILLIONS

	Generation								
Year	Investor-Owned Utilities	Government and Cooperatives	Total Electric Utility Industry	Other Sources*	Total United States	Net Imports of Electric Energy	Total Available in U.S.	Estimated Population† (Thousands) (July 1)	kWh Per Person
1991p	**2,213,142**	**609,882**	**2,823,025**	**N/A**	**2,823,025****	**22,272**	**2,845,297****	**252,177**	**11,283****
1990r	2,202,553	605,598	2,808,151	232,781	3,040,932	1,980	2,809,038	249,415	11,236
1989	2,191,941	592,364	2,784,304	200,871	2,985,175	10,976	2,996,151	246,820r	12,139
1988	2,145,601	558,650	2,704,250	174,252	2,878,502	31,770	2,910,272	244,529	11,902
1987	2,022,260	549,867	2,572,127	146,609	2,718,736	46,338	2,765,074	243,427	11,359
1986	1,928,199	559,111	2,487,310	112,008	2,599,318	35,897	2,635,215	241,078	10,931
1985	1,918,032	551,809	2,469,841	98,478	2,568,319	40,936	2,609,255	238,741	10,929
1984	1,848,916	567,388	2,416,304	71,520e	2,487,824	39,661	2,527,485	236,477	10,688
1983	1,764,080	546,205	2,310,285	57,678e	2,367,963	35,330	2,403,293	234,284	10,258
1982	1,711,576	529,635	2,241,211	61,076e	2,302,287	30,744	2,333,031	231,996	10,056
1981	1,785,500	509,312	2,294,812	64,446e	2,359,258	33,584	2,392,842	229,637	10,420
1980	1,782,933	503,481	2,286,414	67,945e	2,354,359	20,925	2,375,284	227,255	10,452
1979	1,756,170	491,189	2,247,359	71,375	2,318,734	20,334	2,339,068	224,567	10,416
1978	1,721,163	485,150	2,206,313	78,967	2,285,280	19,328	2,304,608	222,095	10,377
1977	1,684,084	440,082	2,124,166	87,575	2,211,741	17,415	2,229,156	219,760	10,144
1976	1,582,029	455,645	2,037,674	87,084	2,124,758	8,611	2,133,369	217,563	9,806
1975	1,486,844	430,775	1,917,619	85,362	2,002,981	6,185	2,009,166	215,465	9,325
1974......	1,442,114	424,322	1,866,436	101,572	1,968,008	12,694	1,980,702	213,342	9,284
1973	1,448,860	407,356	1,856,216	102,529	1,958,745	14,278	1,973,023	211,357	9,335
1972	1,358,929	390,708	1,749,637	104,508	1,854,145	7,744	1,861,889	209,284	8,896
1971	1,248,596	363,993	1,612,589	103,239	1,715,828	3,530	1,719,358	206,827	8,313

Note: Total may not equal sum of components due to independent rounding.

**Includes non-electric utility industry facilities.*

***Excludes Other Sources.*

† U.S. Department of Commerce. Bureau of Census estimates; excludes Armed Forces overseas.

N/A Not Available.

p Preliminary. r Revised. e Estimated.

Sources: U.S. Department of Energy. Energy Information Administration. Monthly Power Plant Report *(EIA-759). Economic Regulatory Administration,* Electricity Transactions Across International Borders, *and Edison Electric Institute.*

TABLE 9

TOTAL UNITED STATES KILOWATTHOUR SOURCE AND DISPOSITION

1971 - 1991 — KILOWATTHOURS IN MILLIONS

	1991p	1990r	1989	1988	1987	1986	1985
SOURCE							
Generation							
Total Electric Utility Industry	2,823,025	2,808,151	2,784,304	2,704,250	2,572,127	2,487,310	2,469,841
Industrials*	N/A	116,253	107,194	104,052	93,981	71,289	70,178e
Industrials*—Received by Electric Utility Industry	136,559	116,528	93,677	70,200	52,628	40,719	28,300
Total Generation	**2,959,584**	**3,040,932**	**2,985,175**	**2,878,502**	**2,718,736**	**2,599,318**	**2,568,319**
Imports from Canada and Mexico	30,812	22,506	26,110	38,837	52,219	40,713	45,901
Total Kilowatthours	**2,990,396**	**3,063,438**	**3,011,285**	**2,917,339**	**2,770,955**	**2,640,031**	**2,614,220**
DISPOSITION							
Total Sales to Ultimate Customers	2,732,411	2,683,976	2,621,003	2,554,161	2,435,483	2,354,744	2,305,882
Exports to Canada and Mexico	8,540	20,526	15,135	7,067	5,881	4,816	4,965
Energy Used by Producer	2,710	3,021	3,098	1,353	2,112	1,247	1,833
Company Use & Free Service	6,788	6,589	9,789	7,351	8,401	8,536	9,336
Lost and Unaccounted For	239,947	233,073	255,066	243,355	225,097	199,399	222,026
Industrials*	N/A	116,253	107,194	104,052	93,981	71,289	70,178e
Total Kilowatthours	**2,990,396**	**3,063,438**	**3,011,285**	**2,917,339**	**2,770,955**	**2,640,031**	**2,614,220**
	1984	**1983**	**1982**	**1981**	**1980**	**1979**	**1978**
SOURCE							
Generation							
Total Electric Utility Industry	2,416,304	2,310,285	2,241,211	2,294,812	2,286,414	2,247,359	2,206,313
Industrials*	52,125e	42,029e	49,072e	56,045e	60,369e	65,341	72,297
Industrials*—Received by Electric Utility Industry	19,395	15,649	12,004	8,401	7,576	6,034	6,670
Total Generation	**2,487,824**	**2,367,963**	**2,302,287**	**2,359,258**	**2,354,359**	**2,318,734**	**2,285,280**
Imports from Canada and Mexico	42,219	38,668	34,284	35,416	25,021	22,516	21,514
Total Kilowatthours	**2,530,043**	**2,406,631**	**2,336,571**	**2,394,674**	**2,379,380**	**2,341,250**	**2,306,794**
DISPOSITION							
Total Sales to Ultimate Customers	2,280,585	2,159,787	2,099,741	2,150,674	2,126,094	2,084,400	2,017,818
Exports to Canada and Mexico	2,558	3,337	3,540	1,832	4,096	2,182	2,186
Energy Used by Producer	2,849	2,633	2,539	1,462	2,540	3,382	2,372
Company Use & Free Service	10,958	10,650	12,051	10,068	9,053	11,086	7,975
Lost and Unaccounted For	180,968	188,195	169,628	174,593	177,228	174,859	204,146
Industrials*	52,125e	42,029e	49,072e	56,045e	60,369e	65,341	72,297
Total Kilowatthours	**2,530,043**	**2,406,631**	**2,336,571**	**2,394,674**	**2,379,380**	**2,341,250**	**2,306,794**
	1977	**1976**	**1975**	**1974**	**1973**	**1972**	**1971**
SOURCE							
Generation							
Total Electric Utility Industry	2,124,166	2,037,674	1,917,619	1,866,436	1,856,216	1,749,637	1,612,589
Industrials*	83,543	82,406	79,340	94,955	95,761	98,241	96,495
Industrials*—Received by Electric Utility Industry	4,032	4,678	6,022	6,617	6,768	6,267	6,744
Total Generation	**2,211,741**	**2,124,758**	**2,002,981**	**1,968,008**	**1,958,745**	**1,854,145**	**1,715,828**
Imports from Canada and Mexico	20,159	10,989	11,268	15,420	16,848	10,496	7,043
Total Kilowatthours	**2,231,900**	**2,135,747**	**2,014,249**	**1,983,428**	**1,975,593**	**1,864,641**	**1,722,871**
DISPOSITION							
Total Sales to Ultimate Customers	1,950,791	1,849,625	1,733,024	1,700,769	1,703,203	1,577,714	1,466,441
Exports to Canada and Mexico	2,744	2,378	5,083	2,726	2,570	2,752	3,514
Energy Used by Producer	2,462	2,559	3,068	3,059	3,137	3,081	2,854
Company Use & Free Service	7,037	5,717	4,709	4,850	4,912	4,412	3,894
Lost and Unaccounted For	185,323	193,062	189,025	177,069	166,010	178,441	149,673
Industrials*	83,543	82,406	79,340	94,955	95,761	98,241	96,495
Total Kilowatthours	**2,231,900**	**2,135,747**	**2,014,249**	**1,983,428**	**1,975,593**	**1,864,641**	**1,722,871**

N/A Not Available.

**Includes non-electric utility industry facilities.*

p Preliminary. r Revised. e Estimated.

Sources: U.S. Department of Energy. Energy Information Administration. Monthly Power Plant Report *(EIA-759). Economic Regulatory Administration,* Electricity Transactions Across International Borders, *and Edison Electric Institute.*

TABLE 10

WORLD POWER DATA

FIFTEEN COUNTRIES WITH GREATEST INSTALLED GENERATING CAPACITY

1990

Country	Installed Capacity (Kilowatts in Thousands)				Energy Production† (kWh in Millions)				Population (Thousands)	kWh Per Capita
	Hydro	Nuclear	Thermal	Total	Hydro	Nuclear	Thermal	Total		
United States	90,141	108,242	577,013	775,396	290,964	576,862	2,163,232	3,031,058	249,415‡	12,153
U.S.S.R.	64,100	37,400	231,600	333,100	233,000	212,000	1,281,000	1,726,000	290,939	5,933
Japan	37,830	31,645	125,288	194,763	95,836	202,272	559,165	857,273	123,778	6,926
Germany*	8,944	24,980	89,236	123,160	19,492	162,810	389,700	572,002	79,070	7,234
Canada	59,381	13,538	31,221	104,140	296,685	72,886	112,220	481,791	26,621	18,098
France	24,747	55,750	22,913	103,410	57,350	314,081	48,153	419,584	56,213	7,464
China (mainland)	30,100	-	68,500	98,600	110,500	-	507,500	618,000	1,130,065	547
India	18,864	1,565	55,566	75,995	66,094	6,075	213,866	286,035	844,000	339
United Kingdom	4,171	11,353	57,535	73,059	7,062	65,747	246,170	318,979	60,678	5,257
Italy	18,770	-	37,778	56,548	35,079	-	181,812	216,891	57,680	3,760
Brazil	45,558	657	6,677	52,892	207,230	2,237	12,728	222,195	153,771	1,445
Spain	16,050	6,973	20,250	43,273	26,165	54,273	70,184	150,622	39,623	3,801
Australia	7,268	-	29,514	36,782	14,785	-	139,786	154,571	16,646	9,286
Sweden	16,331	9,970	7,888	34,189	73,105	68,185	5,245	146,535	8,407	17,430
Poland	1,851	-	28,852	30,703	3,302	-	133,035	136,337	38,363	3,554

† *Data presented on a gross generation basis.*

‡ *U.S. population July 1, 1990; excludes armed forces abroad. Dept. of Commerce, Bureau of Census.*

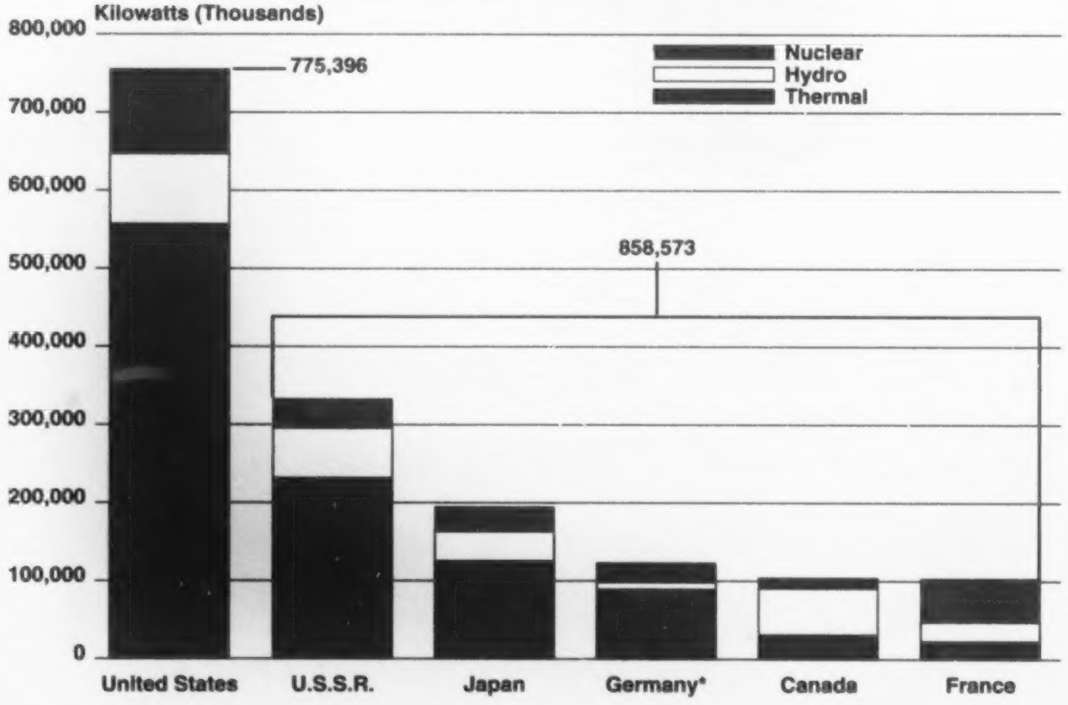
* *Data represents Unified Germany.*

Sources: Capacity and production: UN 1990 Energy Statistics Yearbook; *population (except as noted):* The World Almanac and Book of Facts—1992.

CHART II-B

WORLD GENERATING CAPACITY

SIX LARGEST COUNTRIES — 1990



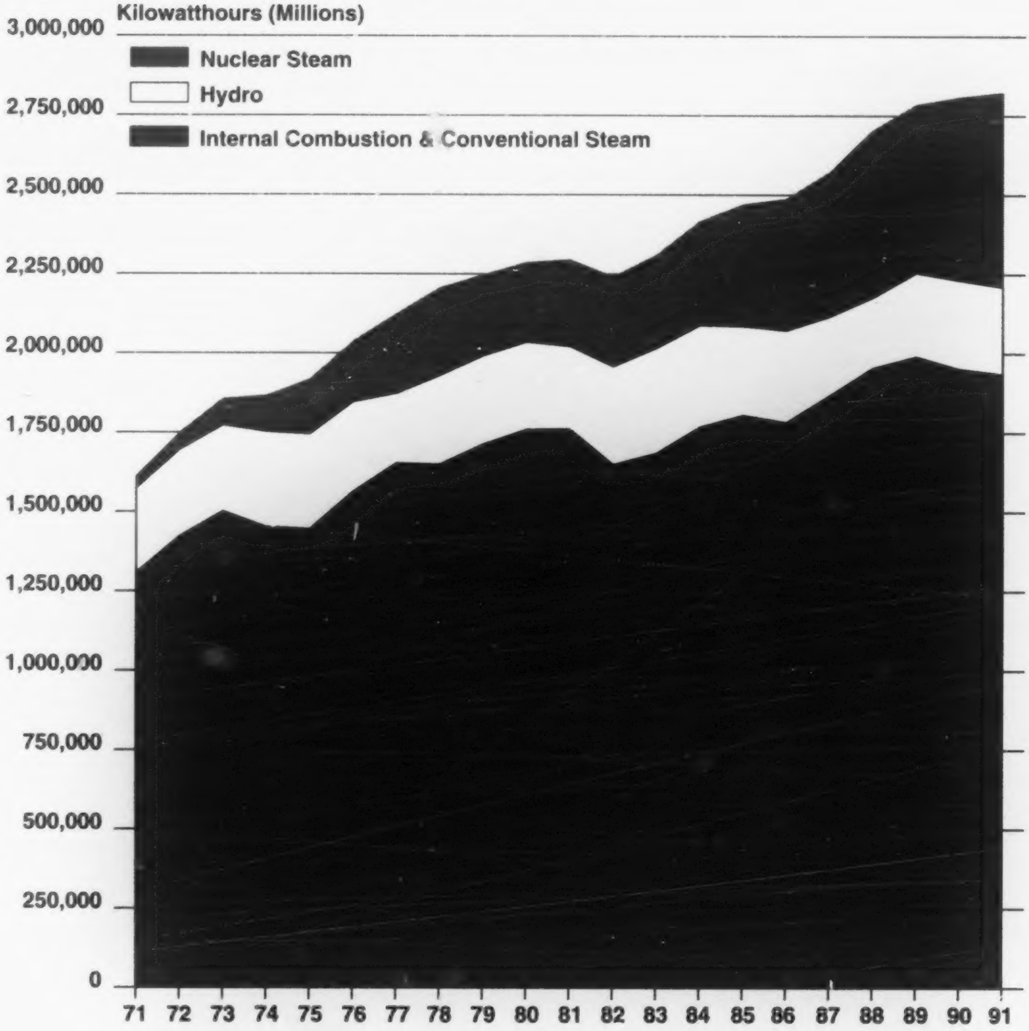
* *Data represents Unified Germany.*
Based on Table 10, as shown above.
Source: UN 1990 Energy Statistics Yearbook.

SECTION III
GENERATION

CHART III-A

GENERATION BY TYPE OF PRIME MOVER

TOTAL ELECTRIC UTILITY INDUSTRY

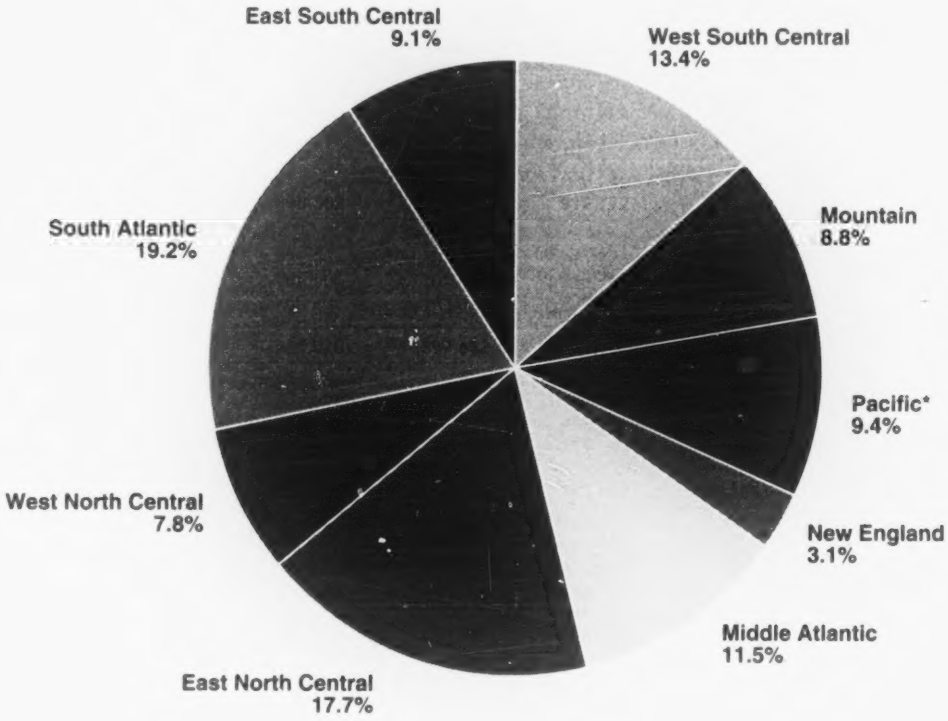


Based on table 12, page 19.
Source: U.S. Department of Energy. Energy Information Administration. Monthly Power Plant Report. *(EIA-759).*

CHART III-B

GENERATION BY CENSUS DIVISIONS

TOTAL ELECTRIC UTILITY INDUSTRY
1991



** Includes Alaska and Hawaii.*

Based on table 15, page 23.

Source: U.S. Department of Energy. Energy Information Administration. Monthly Power Plant Report. *(EIA-759).*

TABLE 12

GENERATION
TOTAL ELECTRIC UTILITY INDUSTRY

BY OWNERSHIP AND TYPE OF PRIME MOVER DRIVING THE GENERATOR-
KILOWATTHOURS IN MILLIONS

Year	Total Electric Utility Industry	Investor-Owned Utilities	Cooperatives	Subtotal Government	Municipal Utilities	Federal	Power Districts, State Projects
TOTAL (Generation by All Types of Prime Mover)							
1991p	**2,823,025**	**2,213,142**	**127,689**	**482,193**	**96,566**	**241,104**	**144,524**
1990r	2,808,151	2,202,553	126,115	479,483	97,652	235,272	146,559
1989	2,784,304	2,191,941	122,810	469,554	100,311	223,531	145,712
1988	2,704,250	2,145,601	123,079	435,571	96,539	201,125	137,907
1987	2,572,127	2,022,260	122,508	427,359	86,211	205,363	135,786
1986	2,487,310	1,928,199	113,897	445,214	78,869	224,854	141,491
1985	2,469,841	1,918,032	108,321	443,488	73,864	233,063	136,560
1984	2,416,304	1,848,916	101,970	465,418	74,672	253,928	136,818
1983	2,310,285	1,764,080	84,710	461,495	73,069	258,181	130,245
1982	2,241,211	1,711,576	77,098	452,537	76,569	241,004	134,964
1981	2,294,812	1,785,500	73,314	435,998	80,701	232,222	123,075
1980	2,286,414	1,782,933	63,550	439,931	86,579	235,051	118,301
1979	2,247,359	1,756,170	54,404	436,785	87,265	235,570	113,950
1978	2,206,313	1,721,163	48,717	436,433	89,700	235,257	111,476
1977	2,124,166	1,684,084	44,884	395,198	83,382	213,633	98,183
1976	2,037,674	1,582,029	41,223	414,422	78,176	236,024	100,222
1975	1,917,619	1,486,844	35,328	395,447	81,518	221,226	92,703
1974	1,866,436	1,442,114	33,844	390,478	78,677	219,821	91,980
1973	1,856,216	1,448,860	35,127	372,229	80,872	211,715	79,642
1972	1,749,637	1,358,929	31,714	358,994	78,931	206,668	73,395
1971	1,612,589	1,248,596	27,227	336,766	72,609	194,462	69,695
HYDRO (Generation of Generators Driven by Water Wheels and Turbines)							
1991p	**275,516**	**61,693**	**593**	**213,230**	**15,427**	**142,528**	**55,275**
1990r	279,926	66,658	588	212,680	15,887	140,379	56,414
1989	265,063	66,575	600	197,888	14,810	131,027	52,051
1988	222,940	48,725	396	173,819	12,644	112,015	49,160
1987	249,695	58,253	398	191,044	12,285	124,680	54,079
1986	290,844	71,356	396	219,091	16,841	141,990	60,260
1985	281,149	66,334	410	214,406	14,496	142,435	57,475
1984	321,150	83,639	279	237,232	15,775	162,268	59,190
1983	332,130	88,663	303	243,164	17,266	160,989	64,910
1982	309,213	81,527	294	227,392	17,061	148,027	62,305
1981	260,684	61,680	231	198,773	13,700	128,690	56,383
1980	276,039	70,500	267	205,272	15,603	131,909	57,760
1979	279,790	74,105	244	205,441	13,270	137,212	54,959
1978	280,432	72,381	275	207,776	14,889	136,804	56,083
1977	220,446	55,343	220	164,883	8,572	111,951	44,360
1976	283,734	68,034	221	215,479	14,444	144,218	56,817
1975	300,065	81,524	251	218,290	16,619	142,943	58,728
1974	300,928	81,204	197	219,527	17,218	137,882	64,427
1973	271,634	77,451	229	193,954	13,439	123,148	57,367
1972	272,626	76,820	220	195,586	15,152	126,328	54,106
1971	266,314	76,521	243	189,550	14,765	121,573	53,212
CONVENTIONAL STEAM† (Generation of Generators driven by Steam Engines and Turbines)							
1991p	**1,933,030**	**1,581,195**	**126,914**	**224,922**	**80,363**	**78,266**	**66,293**
1990r	1,949,572	1,594,986	125,366	229,220	80,965	80,998	67,257
1989	1,988,003	1,637,433	122,055	228,515	83,162	77,012	68,341
1988	1,952,566	1,599,747	122,552	230,267	80,152	85,266	64,848
1987	1,865,463	1,531,106	121,845	212,512	73,082	80,890	58,540
1986	1,780,853	1,469,751	113,219	197,883	61,198	83,092	53,593
1985	1,803,323	1,503,349	107,438	192,536	56,543	77,976	58,017
1984	1,765,608	1,487,840	101,184	176,584	54,008	66,989	55,587
1983	1,682,268	1,426,449	84,015	171,804	51,503	69,237	51,063
1982	1,646,883	1,396,336	76,481	174,066	54,507	65,682	53,878
1981	1,758,660	1,492,062	72,619	193,980	62,421	80,715	50,844
1980	1,755,634	1,499,918	62,803	192,913	63,899	83,715	45,299
1979	1,708,256	1,472,652	53,609	181,995	65,100	77,948	38,947
1978	1,644,756	1,415,266	47,887	181,603	66,212	81,535	33,856
1977	1,648,105	1,422,684	44,193	181,228	65,402	83,202	32,624
1976	1,557,647	1,346,179	38,409	173,059	57,547	87,584	27,928
1975	1,439,374	1,249,623	33,647	156,104	57,958	75,549	22,597
1974	1,445,808	1,261,009	32,887	151,912	56,605	75,640	19,667
1973	1,494,901	1,292,888	34,108	167,905	62,422	88,240	17,243
1972	1,416,218	1,229,998	30,713	155,507	58,814	80,324	16,369
1971	1,301,960	1,135,674	26,245	140,041	53,246	72,866	13,929

See page 20 for footnotes.

TABLE 12 (continued)

GENERATION
TOTAL ELECTRIC UTILITY INDUSTRY

BY OWNERSHIP AND TYPE OF PRIME MOVER DRIVING THE GENERATOR
KILOWATTHOURS IN MILLIONS

Year	Total Electric Utility Industry	Investor-Owned Utilities	Cooperatives	Subtotal Government	Municipal Utilities	Federal	Power Districts, State Projects
NUCLEAR STEAM (Generation of Generators Driven by Nuclear Reactors)							
1991p	**612,565**	**569,300**	**–**	**43,265**	**–**	**20,310**	**22,955**
1990r	576,862	540,098	–	36,764	(18)	13,895	22,887
1989	529,355	487,114	–	42,240	1,429	15,492	25,319
1988	526,973	496,367	–	30,606	2,864	3,844	23,897
1987	455,270	432,239	129	22,902	(57)	(207)	23,166
1986	414,038	386,513	157	27,367	(41)	(230)	27,638
1985	383,691	347,769	323	35,599	1,885	12,646	21,069
1984	327,634	276,849	319	50,466	3,760	24,665	22,040
1983	293,677	248,379	201	45,097	2,875	27,951	14,271
1982	282,773	233,213	137	49,423	3,349	27,294	18,780
1981	272,674	231,190	241	41,243	2,585	22,810	15,847
1980	251,121	211,831	214	39,076	4,426	19,413	15,237
1979	255,155	208,788	201	46,166	5,729	20,402	20,035
1978	276,403	232,742	174	43,487	5,046	16,911	21,530
1977	250,882	205,257	89	45,536	5,865	18,473	21,198
1976	191,107	167,098	2,157	21,852	2,161	4,214	15,477
1975	172,506	154,985	951	16,570	2,470	2,722	11,378
1974	113,727	99,042	313	14,372	198	6,289	7,885
1973	83,334	77,790	199	5,345	–	314	5,031
1972	54,092	50,933	240	2,919	–	–	2,919
1971	38,106	35,357	196	2,553	–	–	2,553
INTERNAL COMBUSTION (Generation of Generators Driven by Internal Combustion Engines)							
1991p	**1,910**	**954**	**183**	**773**	**772**	**–**	**1**
1990r	1,788	811	162	816	815	–	1
1989	1,880	817	155	908	907	–	1
1988	1,762	753	130	878	877	–	1
1987	1,685	649	136	900	899	–	1
1986	1,556	565	124	867	866	–	*
1985	1,662	570	150	942	938	4	*
1984	1,901	579	188	1,133	1,130	3	*
1983	2,207	588	190	1,429	1,425	3	1
1982	2,343	501	186	1,656	1,653	2	1
1981	2,795	568	224	2,003	1,995	7	1
1980	3,620	684	266	2,670	2,651	14	5
1979	4,158	625	350	3,183	3,166	8	9
1978	4,722	774	381	3,567	3,553	7	7
1977	4,733	800	382	3,551	3,543	7	1
1976	5,186	718	436	4,032	4,024	8	–
1975	5,674	712	479	4,483	4,471	12	–
1974	5,973	859	447	4,667	4,656	10	1
1973	6,347	731	591	5,025	5,011	13	1
1972	6,701	1,178	541	4,982	4,965	16	1
1971	6,209	1,044	543	4,622	4,598	23	1
WIND‡ (Generation of Generators Driven by Wind Turbines)							
1991p	*	*	**–**	*	**–**	*	**–**
1990r	*	*	–	*	–	*	–
1989	*	*	–	*	–	*	–
1988	1	1	–	(*)	–	(*)	–
1987	4	4	–	(*)	–	(*)	–
1986	4	3	–	1	–	1	–
1985	6	3	–	3	–	3	–
SOLAR††† (Generation of Generators Driven by Photovoltaic and Solar Thermal Energy)							
1991p	**3**	*	**–**	**3**	**3**	**–**	**–**
1990r	2	*	–	2	2	–	–
1989	3	*	–	2	2	–	–
1988	9	8	–	1	1	–	–
1987	11	8	–	2	2	–	–
1986	14	10	–	4	4	–	–
1985	11	9	–	2	2	–	–

Note: Total may not equal sum of components due to independent rounding.

† Includes Gas Turbines and Combined Cycle Combustion Turbines.

‡ Prior to 1983 generation by wind not available.

††† Prior to 1984 generation by solar not available.

p Preliminary. r Revised. ( ) Denotes negative value.

** Less than five hundred thousand kilowatthours.*

Source: U.S. Department of Energy. Energy Information Administration. Monthly Power Plant Report.*(EIA-759).*

TABLE 13

GENERATION PER KILOWATT OF INSTALLED NAMEPLATE CAPACITY TOTAL ELECTRIC UTILITY INDUSTRY

BY OWNERSHIP AND TYPE OF PRIME MOVER DRIVING THE GENERATOR

KILOWATTHOURS

Year	Total Electric Utility Industry	Investor-Owned	Cooperatives	Government-Owned	Total Electric Utility Industry	Investor-Owned	Cooperatives	Government-Owned
		TOTAL				**HYDRO**		
1991p	**3,832**	**3,880**	**4,838**	**3,446**	**3,139**	**2,075**	**3,468**	**3,685**
1990r	3,331	3,895	4,787	3,396	3,204	2,265	3,459	3,681
1989	3,773	3,873	4,662	3,208	2,798	1,943	2,947	3,240
1988	3,751	3,864	4,667	3,127	2,580	1,656	2,809	3,058
1987	3,608	3,687	4,641	3,097	2,919	2,005	3,476	3,389
1986	3,562	3,589	4,466	3,288	3,459	2,525	3,600	3,932
1985	3,629	3,670	4,393	3,327	3,437	2,471	4,432	3,908
1984	3,632	3,624	4,345	3,535	4,025	3,273	3,444	4,381
1983	3,532	3,512	3,880	3,550	4,228	3,578	3,741	4,529
1982	3,489	3,458	3,868	3,547	3,983	3,334	3,973	4,281
1981	3,676	3,690	4,335	3,533	3,396	2,541	3,448	3,792
1980	3,773	3,789	4,344	3,641	3,639	2,929	3,985	3,968
1979	3,816	3,827	4,272	3,725	3,823	3,103	3,642	4,173
1978	3,872	3,859	4,326	3,877	4,043	3,080	4,104	4,486
1977	3,892	3,945	4,308	3,646	3,230	2,391	3,264	3,660
1976	3,920	3,884	4,320	4,024	4,244	2,942	3,299	4,935
1975	3,895	3,836	4,254	4,102	4,634	3,556	4,149	5,226
1974	4,075	3,991	4,585	4,371	4,802	3,649	3,582	5,439
1973	4,427	4,385	5,021	4,545	4,597	3,788	4,164	5,027
1972	4,557	4,510	5,210	4,693	4,855	4,022	4,074	5,287
1971	4,541	4,532	5,122	4,534	4,800	4,035	4,418	5,198
		STEAM*				**INTERNAL COMBUSTION**		
1991p	**3,976**	**4,016**	**4,891**	**3,406**	**220**	**187**	**656**	**234**
1990r	3,963	4,017	4,841	3,321	221	180	572	247
1989	3,947	4,007	4,721	3,306	251	215	485	271
1988	3,949	4,009	4,726	3,298	267	255	438	261
1987	3,736	3,798	4,695	3,008	277	265	456	270
1986	3,606	3,661	4,520	2,946	284	290	398	270
1985	3,683	3,744	4,446	3,032	338	410	460	294
1984	3,605	3,652	4,399	3,055	386	414	593	354
1983	3,463	3,519	3,923	2,966	436	377	608	448
1982	3,449	3,477	3,924	3,139	437	285	554	506
1981	3,748	3,764	4,417	3,478	501	303	638	598
1980	3,825	3,849	4,433	3,528	655	372	764	800
1979	3,849	3,881	4,381	3,527	753	347	903	956
1978	3,885	3,916	4,446	3,578	872	457	992	1,069
1977	4,022	4,048	4,423	3,777	893	487	1,129	1,070
1976	3,906	3,956	4,437	3,478	1,000	454	1,313	1,233
1975	3,815	3,868	4,375	3,358	1,127	479	1,423	1,396
1974	3,995	4,029	4,756	3,629	1,206	592	1,294	1,478
1973	4,441	4,444	5,200	4,298	1,300	478	1,723	1,668
1972	4,551	4,563	5,440	4,318	1,434	778	1,577	1,769
1971	4,540	4,589	5,377	4,063	1,406	769	1,578	1,702

** Includes conventional and nuclear steam.*

p Preliminary. r Revised.

Sources: U.S. Department of Energy. Energy Information Administration. Monthly Power Plant Report *(EIA-759),* Annual Electric Generator Report *(EIA-860), and* Annual Electric Utility Report *(EIA-861), as shown in Tables 2 and 12.*

TABLE 14

GENERATION IN PERCENT OF TOTAL TOTAL ELECTRIC UTILITY INDUSTRY

BY OWNERSHIP AND TYPE OF PRIME MOVER DRIVING THE GENERATOR

Year	Investor-Owned	Cooperatives	Government-Owned	Total	Investor-Owned	Cooperatives	Government-Owned	Total	Investor-Owned	Cooperatives	Government-Owned
	TOTAL			**HYDRO**				**CONVENTIONAL STEAM†**			
1991p	**78.4%**	**4.5%**	**17.1%**	**9.8%**	**2.2%**	***%**	**7.6%**	**68.5%**	**56.0%**	**4.5%**	**8.0%**
1990r	78.4	4.5	17.1	10.0	2.4	*	7.6	69.4	56.8	4.5	8.2
1989	78.7	4.4	16.9	9.5	2.4	*	7.1	71.4	58.8	4.4	8.2
1988	79.3	4.6	16.1	8.2	1.8	*	6.4	72.2	59.2	4.5	8.5
1987	78.6	4.8	16.6	9.7	2.3	*	7.4	72.5	59.5	4.7	8.3
1986	77.5	4.6	17.9	11.7	2.9	*	8.8	71.6	59.1	4.5	8.0
1985	77.7	4.4	17.9	11.4	2.7	*	8.7	73.0	60.9	4.3	7.8
1984	76.5	4.2	19.3	13.3	3.5	*	9.8	73.1	61.6	4.2	7.3
1983	76.4	3.6	20.0	14.4	3.9	*	10.5	72.8	61.7	3.6	7.5
1982	76.4	3.4	20.2	13.8	3.7	*	10.1	73.5	62.3	3.4	7.8
1981	77.8	3.2	19.0	11.4	2.7	*	8.7	76.6	65.0	3.2	8.4
1980	78.0	2.8	19.2	12.1	3.1	*	9.0	76.8	65.6	2.8	8.4
1979	78.1	2.4	19.5	12.4	3.3	*	9.1	76.0	65.5	2.4	8.1
1978	78.0	2.2	19.8	12.7	3.3	*	9.4	74.6	64.2	2.2	8.2
1977	79.3	2.1	18.6	10.4	2.6	*	7.8	77.6	67.0	2.1	8.5
1976	77.7	2.0	20.3	13.9	3.3	*	10.6	76.4	66.1	1.9	8.4
1975	77.5	1.9	20.6	15.6	4.2	*	11.4	75.1	65.2	1.8	8.1
1974	77.3	1.8	20.9	16.1	4.4	*	11.7	77.5	67.6	1.8	8.1
1973	78.1	1.9	20.0	14.6	4.2	*	10.4	80.6	69.7	1.9	9.0
1972	77.7	1.8	20.5	15.6	4.4	*	11.2	80.9	70.3	1.8	8.8
1971	77.4	1.7	20.9	16.5	4.7	*	11.8	80.7	70.4	1.7	8.6
				NUCLEAR STEAM				**INTERNAL COMBUSTION**			
1991p				**21.7%**	**20.2%**	**—%**	**1.5%**	**0.1%**	***%**	***%**	***%**
1990r				20.5	19.2	—	1.3	0.1	*	*	*
1989				19.0	17.5	—	1.5	0.1	*	*	*
1988				19.5	18.4	—	1.1	0.1	*	*	*
1987				17.7	16.8	*	0.9	0.1	*	*	*
1986				16.6	15.5	*	1.1	0.1	*	*	*
1985				15.5	14.1	*	1.4	0.1	*	*	*
1984				13.5	11.4	*	2.1	0.1	*	*	0.1
1983				12.7	10.8	*	1.9	0.1	*	*	0.1
1982				12.6	10.4	*	2.2	0.1	*	*	0.1
1981				11.9	10.1	*	1.8	0.1	*	*	0.1
1980				11.0	9.3	*	1.7	0.1	*	*	0.1
1979				11.4	9.3	*	2.1	0.2	*	*	0.2
1978				12.5	10.5	*	2.0	0.2	*	*	0.2
1977				11.8	9.7	*	2.1	0.2	*	*	0.2
1976				9.4	8.2	0.1	1.1	0.3	0.1	*	0.2
1975				9.0	8.0	0.1	0.9	0.3	0.1	*	0.2
1974				6.1	5.3	*	0.8	0.3	*	*	0.3
1973				4.5	4.2	*	0.3	0.3	*	*	0.3
1972				3.1	2.9	*	0.2	0.4	0.1	*	0.3
1971				2.4	2.2	*	0.2	0.4	0.1	*	0.3

Note: Total may not equal sum of components due to independent rounding.

p Preliminary. r Revised.

† Includes Gas Turbines and Combined Cycle Combustion Turbines.

** Less than one tenth of one percent.*

Source: U.S. Department of Energy. Energy Information Administration. Monthly Power Plant Report *(EIA-759), as shown in Table 12.*

TABLE 15

GENERATION
TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND TYPE OF PRIME MOVER DRIVING THE GENERATOR
1990r and 1991p — KILOWATTHOURS IN MILLIONS

	Total Electric Utility Industry†		Hydro		Conventional Steam‡		Nuclear Steam		Internal Combustion	
State/Division	1991p	1990r	1991p	1990r	1991p	1990r	1991p	1990r	1991p	1990r
Total United States	**2,823,025**	**2,808,151**	**275,516**	**279,926**	**1,933,030**	**1,949,572**	**612,565**	**576,862**	**1,910**	**1,788**
Maine	9,515	9,064	1,982	2,110	1,267	2,090	6,264	4,861	2	2
New Hampshire	12,705	10,810	1,188	1,477	4,730	5,252	6,788	4,081	—	—
Vermont	5,259	4,993	941	1,214	209	162	4,108	3,616	1	*
Massachusetts	35,802	36,479	233	300	31,025	30,993	4,417	5,070	128	117
Rhode Island	171	592	—	—	162	583	—	—	10	9
Connecticut	23,552	32,156	394	502	10,914	11,876	12,243	19,776	2	1
New England	**87,005**	**94,092**	**4,737**	**5,603**	**48,306**	**50,956**	**33,820**	**37,404**	**143**	**130**
New York	126,077	128,655	24,906	25,748	72,666	79,232	28,448	23,623	57	52
New Jersey	37,029	36,489	(155)	(150)	12,377	12,868	24,807	23,770	*	*
Pennsylvania	162,367	165,683	656	1,703	104,230	106,186	57,476	57,787	6	7
Middle Atlantic	**325,473**	**330,827**	**25,406**	**27,301**	**189,273**	**198,285**	**110,731**	**105,181**	**63**	**60**
Ohio	132,694	126,510	145	173	117,709	115,668	14,833	10,664	7	5
Indiana	98,200	97,738	399	441	97,793	97,290	—	—	7	8
Illinois	127,851	126,977	53	61	55,904	54,994	71,866	71,887	29	35
Michigan	94,567	89,059	856	798	66,633	66,597	27,021	21,611	57	54
Wisconsin	47,149	45,551	2,270	1,791	33,881	32,529	10,991	11,226	6	5
East North Central	**500,461**	**485,835**	**3,723**	**3,263**	**371,920**	**367,077**	**124,712**	**115,388**	**107**	**107**
Minnesota	38,931	41,550	778	658	26,086	28,743	12,059	12,139	9	9
Iowa	31,228	29,048	883	857	26,186	25,170	4,147	3,012	13	10
Missouri	60,121	59,011	1,072	2,156	49,056	48,837	9,979	7,998	14	20
North Dakota	27,535	26,824	1,757	1,711	25,778	25,113	—	—	*	—
South Dakota	6,573	6,427	3,828	3,934	2,744	2,492	—	—	*	1
Nebraska	22,972	21,631	1,045	1,140	13,857	12,956	8,048	7,511	23	24
Kansas	32,315	33,869	9	12	26,223	25,743	5,859	7,874	224	239
West North Central	**219,674**	**218,360**	**9,370**	**10,468**	**169,929**	**169,055**	**40,092**	**38,535**	**283**	**302**
Delaware	7,604	7,100	—	—	7,602	7,098	—	—	2	2
Maryland	38,215	31,497	1,407	2,299	27,724	27,901	9,036	1,251	48	47
District of Columbia	180	361	—	—	180	361	—	—	—	—
Virginia	48,941	47,200	(26)	428	25,074	22,949	23,886	23,820	6	4
West Virginia	71,254	77,364	356	435	70,898	76,929	—	—	—	—
North Carolina	83,520	79,845	6,024	6,957	47,184	46,983	30,312	25,905	—	—
South Carolina	69,838	69,260	2,497	2,729	24,233	23,650	43,108	42,881	*	*
Georgia	90,809	97,565	4,639	4,887	60,154	67,881	26,016	24,797	*	—
Florida	130,744	123,624	263	175	109,781	101,440	20,508	21,780	192	230
South Atlantic	**541,105**	**533,816**	**15,161**	**17,909**	**372,829**	**375,191**	**152,866**	**140,434**	**248**	**282**
Kentucky	75,505	73,807	3,658	3,160	71,847	70,647	—	—	1	*
Tennessee	73,932	73,903	10,497	9,537	46,848	50,363	16,587	14,003	—	—
Alabama	85,051	76,232	10,758	10,367	58,418	53,813	15,875	12,052	—	—
Mississippi	23,305	22,924	—	—	14,172	15,502	9,133	7,422	—	—
East South Central	**257,792**	**246,866**	**24,912**	**23,064**	**191,286**	**190,325**	**41,594**	**33,477**	**1**	*****
Arkansas	38,365	37,053	3,561	3,698	22,142	22,074	12,662	11,282	*	*
Louisiana	57,137	58,168	—	—	43,180	43,971	13,956	14,197	*	*
Oklahoma	44,850	45,063	1,857	2,750	42,990	42,290	—	—	3	23
Texas	238,343	234,047	2,225	1,794	216,284	216,360	19,800	15,859	35	34
West South Central	**378,695**	**374,332**	**7,642**	**8,242**	**324,596**	**324,696**	**46,418**	**41,338**	**39**	**57**
Montana	28,157	25,719	11,921	10,672	16,236	15,046	—	—	1	*
Idaho	8,282	8,618	8,281	8,617	*	1	—	—	*	*
Wyoming	38,667	39,378	736	645	37,936	38,738	—	—	(4)	(5)
Colorado	31,038	31,313	1,663	1,276	29,372	30,036	—	—	4	1
New Mexico	25,065	28,491	237	205	24,827	28,285	—	—	*	1
Arizona	66,767	62,289	7,098	7,667	34,573	34,024	25,096	20,598	—	*
Utah	30,158	32,260	604	486	29,532	31,769	—	—	22	5
Nevada	20,457	19,286	2,362	1,732	18,096	17,555	—	—	(1)	(1)
Mountain	**248,592**	**247,355**	**32,903**	**31,300**	**190,573**	**195,454**	**25,096**	**20,598**	**20**	**2**
Washington	101,353	100,479	88,926	87,022	8,197	7,714	4,230	5,742	*	*
Oregon	46,298	49,172	40,844	40,962	3,989	2,137	1,465	6,074	—	—
California	104,957	114,528	20,975	23,795	52,413	58,015	31,542	32,693	24	24
Pacific	**252,608**	**264,179**	**150,745**	**151,778**	**64,599**	**67,866**	**37,237**	**44,509**	**24**	**24**
Alaska	4,286	4,493	896	975	3,111	3,273	—	—	279	246
Hawaii	7,333	7,996	20	23	6,608	7,395	—	—	705	579
Alaska & Hawaii	**11,620**	**12,489**	**917**	**997**	**9,720**	**10,667**	**—**	**—**	**984**	**825**

Note: Total may not equal sum of components due to independent rounding.

† Total includes generation by wind(1990r—0.4kWh in millions; 1991p—0.3kWh in millions) and generation by solar (1990r—2.4kWh in millions; 1991p—3.3kWh in millions).

‡ Includes Gas Turbines and Combined Cycle Combustion Turbines.

*p Preliminary. r Revised. ( ) Denotes negative value. *Less than five hundred thousand kilowatthours.*

Source: U.S. Department of Energy. Energy Information Administration. Monthly Power Plant Report.*(EIA—759).*

TABLE 16

GENERATION
INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND TYPE OF PRIME MOVER DRIVING THE GENERATOR
1990r and 1991p — KILOWATTHOURS IN MILLIONS

	Total Investor - Owned Utilities†		Hydro		Conventional Steam‡		Nuclear Steam		Internal Combustion	
State/Division	1991p	1990r	1991p	1990r	1991p	1990r	1991p	1990r	1991p	1990r
Total United States	**2,213,142**	**2,202,553**	**61,693**	**66,658**	**1,581,195**	**1,594,986**	**569,300**	**540,098**	**954**	**811**
Maine	9,512	9,062	1,979	2,108	1,267	2,090	6,264	4,861	2	2
New Hampshire	12,705	10,810	1,188	1,477	4,730	5,252	6,788	4,081	—	—
Vermont	4,988	4,747	877	1,129	3	1	4,108	3,616	1	*
Massachusetts	34,653	35,364	230	289	29,898	29,906	4,417	5,070	109	99
Rhode Island	171	592	—	—	162	583	—	—	10	9
Connecticut	23,535	32,139	380	488	10,912	11,875	12,243	19,776	*	*
New England	**85,565**	**92,714**	**4,652**	**5,492**	**46,971**	**49,707**	**33,820**	**37,404**	**122**	**111**
New York	91,310	94,172	3,656	4,495	69,881	75,683	17,771	13,990	1	5
New Jersey	36,944	36,419	(155)	(150)	12,292	12,798	24,807	23,770	*	*
Pennsylvania	162,291	165,585	580	1,605	104,230	106,186	57,476	57,787	6	7
Middle Atlantic	**290,544**	**296,176**	**4,081**	**5,950**	**186,403**	**194,667**	**100,053**	**95,547**	**7**	**12**
Ohio	129,957	125,293	145	173	114,975	114,454	14,833	10,664	4	2
Indiana	91,466	91,237	399	441	91,063	90,791	—	—	4	5
Illinois	124,854	123,860	53	61	52,935	51,911	71,866	71,887	1	1
Michigan	89,784	84,170	620	567	62,146	61,995	27,021	21,611	(3)	(2)
Wisconsin	42,820	41,279	2,017	1,580	29,810	28,473	10,991	11,226	*	*
East North Central	**478,881**	**465,839**	**3,234**	**2,821**	**350,929**	**347,624**	**124,712**	**115,388**	**6**	**6**
Minnesota	38,212	40,846	758	642	25,395	28,065	12,059	12,139	*	(*)
Iowa	29,450	27,197	874	848	24,429	23,338	4,147	3,012	(*)	(*)
Missouri	44,971	43,171	281	772	34,711	34,400	9,979	7,998	(*)	(*)
North Dakota	2,522	2,526	—	—	2,522	2,526	—	—	—	—
South Dakota	2,745	2,491	1	1	2,744	2,490	—	—	*	1
Nebraska	—	—	—	—	—	—	—	—	—	—
Kansas	27,453	29,432	9	12	21,586	21,545	5,859	7,874	*	*
West North Central	**145,353**	**145,663**	**1,923**	**2,275**	**111,387**	**112,365**	**32,044**	**31,023**	**(*)**	*****
Delaware	7,227	6,778	—	—	7,227	6,778	—	—	—	—
Maryland	38,171	31,453	1,407	2,299	27,724	27,901	9,036	1,251	4	3
District of Columbia	180	361	—	—	180	361	—	—	—	—
Virginia	48,422	46,507	(543)	(265)	25,074	22,948	23,886	23,820	5	3
West Virginia	71,254	77,364	356	435	70,898	76,929	—	—	—	—
North Carolina	81,835	77,978	4,593	5,241	46,930	46,832	30,312	25,905	—	—
South Carolina	57,258	56,886	1,151	1,365	12,999	12,640	43,108	42,881	—	—
Georgia	88,391	94,742	2,221	2,063	60,154	67,882	26,016	24,797	*	—
Florida	98,531	93,528	*	*	78,022	71,748	20,508	21,780	1	*
South Atlantic	**491,269**	**485,597**	**9,186**	**11,139**	**329,207**	**334,018**	**152,866**	**140,434**	**9**	**6**
Kentucky	34,217	33,645	356	374	33,860	33,271	—	—	—	—
Tennessee	852	986	852	986	—	—	—	—	—	—
Alabama	60,140	55,675	4,750	4,902	43,239	38,614	12,151	12,159	—	—
Mississippi	21,060	20,462	—	—	11,927	13,040	9,133	7,422	—	—
East South Central	**116,268**	**110,768**	**5,958**	**6,261**	**89,027**	**84,925**	**21,284**	**19,581**	**—**	**—**
Arkansas	35,061	33,603	257	247	22,142	22,074	12,662	11,282	—	—
Louisiana	48,180	49,193	—	—	34,224	34,996	13,956	14,197	—	—
Oklahoma	33,302	33,029	—	—	33,302	33,029	—	—	*	*
Texas	205,982	201,068	484	404	185,699	184,805	19,800	15,859	(*)	(*)
West South Central	**322,525**	**316,892**	**741**	**651**	**275,366**	**274,904**	**46,418**	**41,338**	*****	*****
Montana	21,892	20,435	5,655	5,388	16,236	15,046	—	—	1	*
Idaho	5,133	5,280	5,133	5,279	*	1	—	—	*	*
Wyoming	27,286	28,142	2	2	27,288	28,145	—	—	(4)	(5)
Colorado	13,551	13,538	105	94	13,442	13,441	—	—	4	3
New Mexico	23,250	26,699	—	—	23,250	26,698	—	—	*	1
Arizona	36,604	31,091	31	34	11,478	10,460	25,096	20,598	—	*
Utah	16,768	16,843	130	89	16,638	16,754	—	—	—	—
Nevada	18,111	17,574	16	20	18,096	17,555	—	—	(1)	(1)
Mountain	**162,595**	**159,602**	**11,072**	**10,905**	**126,428**	**128,101**	**25,096**	**20,598**	**(1)**	**(2)**
Washington	12,464	12,316	4,296	4,601	8,168	7,714	—	—	*	*
Oregon	11,243	14,322	5,790	6,112	3,988	2,136	1,465	6,074	—	—
California	88,948	94,527	10,671	10,362	46,712	51,430	31,542	32,711	24	24
Pacific	**112,656**	**121,165**	**20,756**	**21,076**	**58,868**	**61,280**	**33,007**	**38,785**	**24**	**24**
Alaska	153	140	70	67	*	—	—	—	82	74
Hawaii	7,333	7,996	20	23	6,608	7,395	—	—	705	579
Alaska & Hawaii	**7,486**	**8,137**	**91**	**89**	**6,608**	**7,395**	**—**	**—**	**787**	**652**

Note: Total may not equal sum of components due to independent rounding.

† Total includes generation by wind (1990r—0.4kWh in millions; 1991p—0.2kWh in millions) and generation by solar (1990r—0.1kWh in millions; 1991p—0.2kWh in millions).

‡ Includes Gas Turbines and Combined Cycle Combustion Turbines.

*p Preliminary. r Revised. ( ) Denotes negative value. *Less than five hundred thousand kilowatthours.*

Source: U.S. Department of Energy. Energy Information Administration. Monthly Power Plant Report *(EIA—759).*

TABLE 17

GENERATION
TOTAL ELECTRIC UTILITY INDUSTRY AND INVESTOR-OWNED ELECTRIC UTILITIES

BY MONTH AND TYPE OF PRIME MOVER DRIVING THE GENERATOR
1988 -1991p — KILOWATTHOURS IN MILLIONS

	Total Electric Utility Industry					Investor-Owned Electric Utilities				
Year — Month	Total†	Hydro	Conventional Steam‡	Nuclear Steam	Internal Combustion	Total†	Hydro	Conventional Steam‡	Nuclear Steam	Internal Combustion
YEAR — 1991p										
January	248,262	25,676	168,082	54,369	135	192,733	5,708	136,996	49,954	76
February	210,821	21,915	140,930	47,863	113	164,421	5,165	115,243	43,946	67
March	221,195	25,820	146,131	49,121	123	171,872	6,494	119,918	45,392	67
April	208,906	25,687	141,453	41,631	135	162,035	6,603	117,137	38,225	70
May	234,217	28,454	158,837	46,755	171	181,823	6,946	131,001	43,798	78
June	248,264	25,830	168,035	54,208	191	193,649	5,109	137,336	51,126	77
July	271,787	24,250	186,576	60,735	226	214,055	4,553	152,289	57,125	88
August	267,818	21,747	187,380	58,473	218	211,882	3,937	153,274	54,579	91
September	233,710	18,428	163,246	51,874	162	185,347	3,942	133,400	47,925	81
October	223,258	17,538	157,933	47,653	134	176,451	3,904	128,249	44,215	82
November	221,203	18,299	156,456	46,295	152	174,698	4,098	127,436	43,076	88
December	233,585	21,873	157,972	53,589	150	184,177	5,234	128,915	49,938	90
Total	**2,823,025**	**275,516**	**1,933,030**	**612,565**	**1,910**	**2,213,142**	**61,693**	**1,581,195**	**569,300**	**954**
YEAR — 1990r										
January	237,289	23,412	158,635	55,119	122	186,255	6,056	129,498	50,638	63
February	212,880	24,151	138,659	49,963	108	166,276	6,536	113,763	45,919	58
March	226,034	28,042	151,795	46,087	111	176,394	7,590	125,168	43,578	58
April	211,070	25,387	147,043	38,516	124	163,639	6,425	120,293	36,850	71
May	222,908	27,001	152,833	42,945	129	173,329	6,687	125,586	40,990	65
June	249,175	27,708	174,957	46,332	178	192,640	5,599	143,459	43,511	70
July	266,375	23,658	188,858	53,645	214	209,143	4,591	154,509	49,967	77
August	268,527	21,048	191,506	55,758	214	212,837	4,095	156,806	51,858	77
September	238,017	16,971	172,379	48,485	182	190,166	3,666	140,968	45,468	64
October	224,694	18,605	162,550	43,395	144	179,255	5,058	133,098	41,037	63
November	213,748	19,993	148,584	45,034	137	168,021	4,931	120,736	42,281	73
December	237,434	23,952	161,776	51,582	124	184,599	5,423	131,103	48,001	71
Total	**2,808,151**	**279,926**	**1,949,572**	**576,862**	**1,788**	**2,202,553**	**66,658**	**1,594,986**	**540,098**	**811**
YEAR — 1989										
January	232,747	20,930	165,353	46,328	136	182,785	4,401	135,850	42,466	69
February	219,826	18,620	162,344	38,725	137	174,635	4,078	134,126	36,367	64
March	226,742	22,642	164,310	39,636	154	180,680	6,743	137,304	36,561	73
April	208,042	24,077	150,336	33,495	134	162,525	7,215	124,438	30,814	58
May	220,124	28,049	153,588	38,339	148	169,561	6,937	127,003	35,564	57
June	235,689	25,882	166,659	42,976	171	184,291	6,578	137,480	40,163	70
July	257,050	22,671	181,847	52,331	200	202,160	5,849	148,262	47,976	73
August	258,687	20,187	183,360	54,948	192	204,867	4,612	149,499	50,684	73
September	227,150	18,919	163,239	44,837	154	179,966	4,265	134,544	41,095	62
October	219,910	20,076	156,142	43,558	134	173,862	5,093	129,301	39,402	67
November	219,300	21,186	154,586	43,399	129	172,165	5,492	126,927	39,676	70
December	259,038	21,823	186,240	50,784	192	204,442	5,312	152,700	46,347	83
Total	**2,784,304**	**265,063**	**1,988,003**	**529,355**	**1,880**	**2,191,941**	**66,575**	**1,637,433**	**487,114**	**817**
YEAR — 1988										
January	237,897	22,033	171,048	44,658	156	187,492	4,939	140,272	42,209	70
February	216,937	19,105	155,469	42,246	115	171,237	4,520	126,432	40,233	51
March	214,013	19,514	150,470	43,912	116	170,251	4,769	123,539	41,887	55
April	196,000	19,104	136,729	40,067	100	154,898	4,999	112,123	37,728	47
May	208,371	21,238	146,372	40,650	109	163,562	4,901	119,535	39,074	51
June	232,747	18,833	169,657	44,079	176	184,347	3,528	138,800	41,956	62
July	257,461	16,904	190,525	49,828	202	205,816	3,095	156,673	45,978	69
August	267,693	16,447	201,945	49,035	264	215,054	2,987	166,502	45,468	95
September	220,179	16,270	157,501	46,270	136	174,182	3,100	127,682	43,340	59
October	210,608	15,112	152,781	42,591	123	169,026	3,122	125,632	40,209	63
November	209,593	18,466	151,422	39,583	122	165,944	4,616	124,357	36,912	60
December	232,752	19,913	168,645	44,052	142	183,793	4,150	138,198	41,375	70
Total	**2,704,250**	**222,940**	**1,952,566**	**526,973**	**1,762**	**2,145,601**	**48,725**	**1,599,747**	**496,367**	**753**

Note: Total may not equal sum of components due to independent rounding.
† Includes generation by wind and solar. See Table 12 for details.
‡ Includes Gas Turbines and Combined Cycle Combustion Turbines.
p Preliminary. r Revised.
Source: U.S. Department of Energy. Energy Information Administration. Monthly Power Plant Report.*(EIA-759).*

TABLE 18

INDEX OF WEEKLY ELECTRIC OUTPUT TOTAL ELECTRIC UTILITY INDUSTRY

(EXCLUDING ALASKA AND HAWAII)
SEASONALLY ADJUSTED — 1982 AVERAGE = 100
1981 - 1991

Week Number	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981
1	139	127	127	119	111	113	106	107	90	94	96
2	122	120	122	125	109	112	108	102	93	95	101
3	122	114	117	124	108	106	110	109	94	109	105
4	130	117	116	115	113	103	117	104	100	103	99
5	125	119	118	121	117	114	111	101	97	101	97
6	116	119	134	118	106	104	113	101	94	97	102
7	123	119	124	125	111	117	110	94	99	102	102
8	126	128	132	124	119	112	106	100	97	97	94
9	128	130	129	121	118	115	107	110	98	103	100
10	125	126	132	118	113	113	110	110	99	104	103
11	130	122	123	118	116	110	108	109	99	103	102
12	125	125	127	126	116	113	110	108	101	102	105
13	127	131	122	121	111	108	109	104	107	104	104
14	126	129	128	119	119	107	109	108	104	104	101
15	129	130	128	120	115	111	109	108	104	107	103
16	131	129	125	120	112	112	109	108	106	103	104
17	125	129	126	121	115	113	114	110	102	102	104
18	127	131	127	118	117	114	112	110	102	100	105
19	127	126	122	120	117	115	113	111	102	100	103
20	137	130	122	122	118	114	115	109	101	101	102
21	131	127	130	121	120	111	111	111	101	102	100
22	142	123	129	117	121	114	113	106	100	100	102
23	129	128	122	127	121	116	118	114	100	102	105
24	130	128	119	126	117	116	113	117	105	100	109
25	132	129	124	134	125	113	108	114	103	97	109
26	132	130	124	121	122	116	110	111	103	95	106
27	137	134	127	119	119	113	107	109	101	95	103
28	129	126	127	141	120	117	114	113	106	101	108
29	135	124	118	124	112	113	105	102	107	97	104
30	135	125	127	125	124	116	104	103	106	101	103
31	129	125	127	134	122	114	103	102	108	100	99
32	129	120	115	133	124	108	105	110	106	101	102
33	130	130	121	135	119	109	112	114	110	99	105
34	132	131	127	125	125	114	108	110	114	101	99
35	142	140	130	118	113	104	106	110	109	98	100
36	132	138	125	116	111	103	114	104	112	104	105
37	142	141	130	118	118	110	116	113	109	94	100
38	141	130	125	125	122	112	108	106	104	104	103
39	131	128	121	121	117	122	110	110	101	97	101
40	134	131	125	118	118	126	109	105	105	98	104
41	135	138	127	120	115	114	111	108	103	102	103
42	133	132	129	121	114	112	113	110	105	98	103
43	134	131	125	123	115	110	111	110	105	99	103
44	134	129	126	123	116	110	110	111	105	99	103
45	142	131	126	122	114	113	111	109	106	99	100
46	133	127	124	120	116	118	111	110	107	98	100
47	130	123	126	118	118	118	114	109	102	102	102
48	131	128	129	124	113	110	111	111	109	95	100
49	127	129	131	121	113	113	114	113	106	93	98
50	121	126	137	128	113	117	112	106	104	95	101
51	127	124	142	117	117	113	118	102	113	101	104
52	121	134	136	119	114	111	114	101	122	99	105
Year	**130**	**128**	**126**	**122**	**116**	**113**	**111**	**108**	**104**	**100**	**102**

Note: Seasonal factors are always based on 52 weeks ending on Saturday. Therefore one week is eliminated in 1983 and 1988, since those years had 53 Saturdays.
The above values are based on EEI Weekly Electric Output Index.

TABLE 19

WEEKLY ELECTRIC OUTPUT—TOTAL ELECTRIC UTILITY INDUSTRY

(EXCLUDING ALASKA AND HAWAII)
1989 - 1991 — KILOWATTHOURS IN MILLIONS

Week Ended	1991	Week Ended	1990	Percent Change 91/90	Week Ended	1989	Percent Change 90/89
Jan. 5	56,058	Jan. 6	54,163	3.5	Jan. 7	53,862	0.6
12	58,374	13	55,906	4.4	14	56,080	(0.3)
19	56,636	20	54,128	4.6	21	54,443	(0.6)
26	59,687	27	54,672	9.2	28	53,720	1.8
Feb. 2	57,604	Feb. 3	54,451	5.8	Feb. 4	53,749	1.3
9	53,381	10	53,802	(0.8)	11	60,378	(10.9)
17	55,971	17	53,780	4.1	18	55,247	(2.7)
24	54,560	24	54,457	0.2	25	55,761	(2.3)
Mar. 2	54,462	Mar 3	55,146	(1.2)	Mar. 4	54,857	0.5
9	53,183	10	53,145	0.1	11	55,640	(4.5)
16	53,846	17	50,635	6.3	18	51,187	(1.1)
23	51,559	24	51,545	0.0	25	51,637	(0.2)
30	50,787	31	52,425	(3.1)			
					Apr. 1	49,132	6.7
Apr. 6	49,684	Apr. 7	50,748	(2.1)	8	50,692	0.1
13	50,807	14	50,927	(0.2)	15	50,653	0.5
20	51,106	21	50,178	1.8	22	49,205	2.0
27	50,493	28	51,670	(2.3)	29	50,603	2.1
May 4	51,197	May 5	52,403	(2.3)	May 6	50,803	3.1
11	51,442	12	51,158	0.6	13	49,583	3.2
18	56,624	19	53,188	6.5	20	50,362	5.6
25	55,811	26	53,286	4.7	27	54,702	(2.6)
June 1	60,365	June 2	51,762	16.6	June 3	54,123	(4.4)
8	57,871	9	57,265	1.1	10	54,446	5.2
15	60,055	16	59,115	1.6	17	54,477	8.5
22	62,839	23	62,244	1.0	24	58,148	7.0
29	62,984	30	62,538	0.7			
					July 1	58,699	6.5
July 6	63,304	July 7	62,258	1.7	8	57,848	7.6
13	64,778	14	63,317	2.3	15	62,240	1.7
20	66,980	21	62,558	7.1	22	59,161	5.7
27	67,382	28	63,003	7.0	29	63,206	(0.3)
Aug. 3	63,847	Aug. 4	62,926	1.5	Aug. 5	62,586	0.5
10	64,086	11	61,022	5.0	12	57,467	6.2
17	62,775	18	62,772	0.0	19	58,037	8.2
24	62,667	25	62,261	0.7	26	60,324	3.2
31	65,905						
		Sept. 1	65,279	1.0	Sept. 2	60,615	7.7
Sept. 7	58,520	8	61,653	(5.1)	9	56,357	9.4
14	61,996	15	61,180	1.3	16	56,630	8.0
21	60,098	22	55,464	8.4	23	53,091	4.5
28	53,857	29	53,028	1.6	30	49,976	6.1
Oct. 5	54,080	Oct. 6	53,282	1.5	Oct. 7	50,637	5.2
12	52,854	13	53,517	(1.2)	14	49,959	7.1
19	52,315	20	51,469	1.6	21	50,781	1.4
26	52,504	27	51,050	2.8	28	49,313	3.5
Nov. 2	53,059	Nov. 3	50,897	4.2	Nov. 4	50,098	1.6
9	56,634	10	52,102	8.7	11	50,513	3.1
16	54,268	17	52,078	4.2	18	51,419	1.3
23	52,991	24	49,855	6.3	25	51,471	(3.1)
30	53,595						
		Dec. 1	52,312	2.5	Dec. 2	53,394	(2.0)
Dec. 7	56,284	8	55,739	1.0	9	56,872	(2.0)
14	54,965	15	55,507	(1.0)	16	60,332	(8.0)
21	59,523	22	55,887	6.5	23	64,620	(13.5)
28	52,511	29	56,289	(6.7)	30	57,295	(1.8)

Note: "Weekly Electric Output" is the total of that reported by the individual utilities which consists of the net electric energy generated by each respondent utility plus energy received from others less energy delivered for resale.

These figures are based on the reports of investor-owned utilities, large municipal systems, and state and Federal agencies comprising 92 percent of the total. They are then expanded to an estimated full coverage of the contiguous United States. As these data are for 52 weeks rather than for the calendar year and include net imports and purchases from industrial plants, they do not add to totals for the electric utility industry shown in other tables.

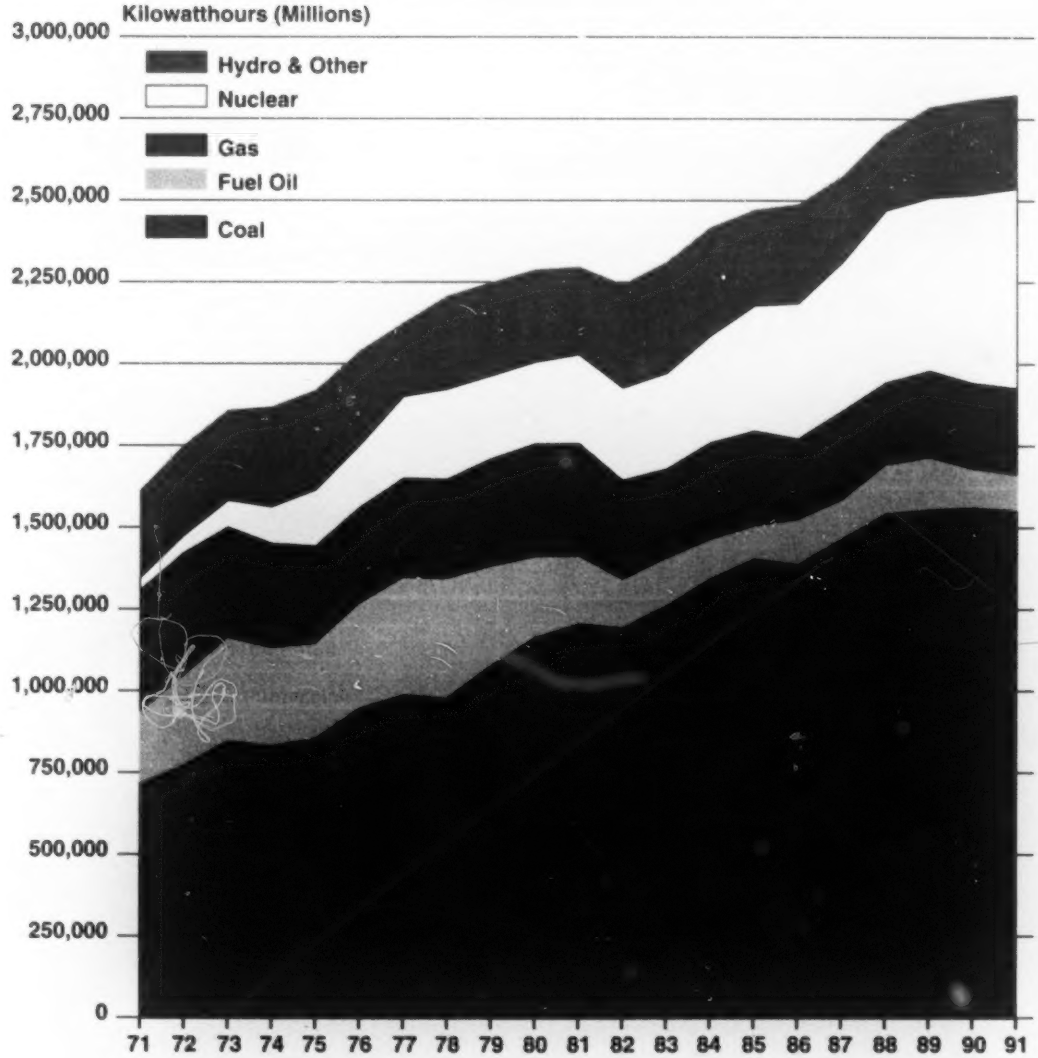
SECTION IV

FUEL

CHART IV-A

ELECTRIC POWER GENERATION

TOTAL ELECTRIC UTILITY INDUSTRY
BY SOURCE



Based on Table 21, page 29.
Source: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report, *(EIA-759).*

TABLE 21

SOURCES OF ENERGY FOR ELECTRIC GENERATION TOTAL ELECTRIC UTILITY INDUSTRY*

BY YEAR AND ENERGY SOURCE
KILOWATTHOURS IN MILLIONS

Year	Total Generation	Coal	Fuel Oil	Gas	Nuclear	Hydro	Other**
1991p	**2,823,025**	**1,549,212**	**111,463**	**264,131**	**612,565**	**275,516**	**10,137**
1990r	2,808,151	1,559,606	117,017	264,089	576,862	279,926	10,651
1989	2,784,304	1,553,661	158,318	266,598	529,355	265,063	11,309
1988	2,704,250	1,540,653	148,900	252,801	526,973	222,940	11,984
1987	2,572,127	1,463,781	118,493	272,621	455,270	249,695	12,267
1986	2,487,310	1,385,831	136,585	248,508	414,038	290,844	11,503
1985	2,469,841	1,402,128	100,202	291,946	383,691	281,149	10,724
1984	2,416,304	1,341,681	119,808	297,394	327,634	321,150	8,638
1983	2,310,285	1,259,424	144,499	274,098	293,677	332,130	6,456
1982	2,241,211	1,192,379	146,423	305,260	282,773	309,213	5,164
1981	2,294,812	1,203,554	206,070	345,777	272,674	260,684	6,054
1980	2,286,414	1,161,969	245,547	346,233	251,121	276,039	5,506
1979	2,247,359	1,075,595	302,948	329,486	255,155	279,790	4,387
1978	2,206,313	976,618	364,153	305,392	276,403	280,432	3,315
1977	2,124,166	985,465	357,866	305,444	250,882	220,446	4,063
1976	2,037,674	944,562	319,779	294,610	191,107	283,734	3,883
1975	1,917,619	852,972	288,873	299,766	172,506	300,065	3,437
1974	1,866,436	829,842	299,306	319,931	113,727	300,928	2,703
1973	1,856,216	845,704	312,805	340,449	83,334	271,634	2,290
1972	1,749,637	772,871	272,530	375,735	54,092	272,626	1,783
1971	1,612,589	714,676	218,608	374,026	38,106	266,314	859

Note: Total may not equal sum of components due to independent rounding.

**Generation by petroleum coke included in fuel oil from 1971 to 1980, and 1983 to 1991. In 1981 and 1982 petroleum coke included in coal.*

***Includes generation by geothermal, wood, waste, wind and solar.*

p Preliminary. r Revised.

Source: U.S. Department of Energy. Energy Information Administration. Monthy Power Plant Report. *(EIA-759).*

TABLE 22

SOURCES OF ENERGY FOR ELECTRIC GENERATION IN PERCENT OF TOTAL TOTAL ELECTRIC UTILITY INDUSTRY

BY YEAR AND ENERGY SOURCE

Year	Coal	Fuel Oil	Gas	Nuclear	Hydro	Other
1991p	**54.9%**	**3.9%**	**9.4%**	**21.7%**	**9.8%**	**0.4%**
1990r	55.5	4.2	9.4	20.5	10.0	0.4
1989	55.8	5.7	9.6	19.0	9.5	0.4
1988	57.0	5.5	9.3	19.5	8.2	0.4
1987	56.9	4.6	10.6	17.7	9.7	0.5
1986	55.7	5.5	10.0	16.6	11.7	0.5
1985	56.8	4.1	11.8	15.5	11.4	0.4
1984	55.5	5.0	12.3	13.6	13.3	0.4
1983	54.5	6.3	11.9	12.7	14.4	0.3
1982	53.2	6.5	13.6	12.6	13.8	0.2
1981	52.4	9.0	15.1	11.9	11.4	0.3
1980	50.8	10.7	15.1	11.0	12.1	0.2
1979	47.9	13.5	14.7	11.4	12.4	0.2
1978	44.3	16.5	13.8	12.5	12.7	0.2
1977	46.4	16.8	14.4	11.8	10.4	0.2
1976	46.4	15.7	14.5	9.4	13.9	0.2
1975	44.5	15.1	15.6	9.0	15.6	0.2
1974	44.5	16.0	17.1	6.1	16.1	0.1
1973	45.6	16.9	18.3	4.5	14.6	0.1
1972	44.2	15.6	21.5	3.1	15.6	0.1
1971	44.3	13.6	23.2	2.4	16.5	0.1

Note: Total may not equal sum of components due to independent rounding.

p Preliminary. r Revised.

Source: U.S. Department of Energy. Energy Information Administration. Monthly Power Plant Report. *(EIA-759), as shown in Table 21.*

TABLE 23

SOURCES OF ENERGY FOR ELECTRIC GENERATION TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND ENERGY SOURCE
YEAR 1991p — KILOWATTHOURS IN MILLIONS

State/Division	Total Generation	Coal†	Fuel Oil‡	Gas	Nuclear Fuel	Hydro	Other**
Total United States	**2,823,025**	**1,549,212**	**111,463**	**264,131**	**612,565**	**275,516**	**10,137**
Maine	9,515	—	1,269	—	6,264	1,982	—
New Hampshire	12,705	3,168	1,561	(*)	6,788	1,188	—
Vermont	5,259	—	5	95	4,108	941	109
Massachusetts	35,802	11,861	15,612	3,679	4,417	233	—
Rhode Island	171	—	54	117	—	—	—
Connecticut	23,552	2,118	7,890	468	12,243	394	439
New England	**87,005**	**17,147**	**26,393**	**4,360**	**33,820**	**4,737**	**549**
New York	126,077	24,938	27,754	20,031	28,448	24,906	—
New Jersey	37,029	5,237	1,799	5,342	24,807	(155)	—
Pennsylvania	162,367	100,359	3,714	163	57,476	656	—
Middle Atlantic	**325,473**	**130,534**	**33,266**	**25,535**	**110,731**	**25,406**	**—**
Ohio	132,694	116,813	369	235	14,833	145	298
Indiana	98,200	96,527	354	920	—	399	—
Illinois	127,851	53,955	906	1,072	71,866	53	—
Michigan	94,567	65,138	554	998	27,021	856	—
Wisconsin	47,149	33,489	62	180	10,991	2,270	157
East North Central	**500,461**	**365,923**	**2,245**	**3,405**	**124,712**	**3,723**	**455**
Minnesota	38,931	24,689	577	426	12,059	778	403
Iowa	31,228	25,870	47	262	4,147	883	20
Missouri	60,121	47,908	119	1,044	9,979	1,072	—
North Dakota	27,535	25,751	28	(*)	—	1,757	—
South Dakota	6,573	2,727	8	9	—	3,828	—
Nebraska	22,972	13,563	13	303	8,048	1,045	—
Kansas	32,315	23,435	53	2,959	5,859	9	*
West North Central	**219,674**	**163,942**	**845**	**5,003**	**40,092**	**9,370**	**422**
Delaware	7,604	4,598	1,899	1,106	—	—	—
Maryland	38,215	22,623	3,935	1,214	9,036	1,407	—
District of Columbia	180	—	180	—	—	—	—
Virginia	48,941	21,939	2,036	1,104	23,886	(26)	*
West Virginia	71,254	70,649	232	17	—	356	—
North Carolina	83,520	46,762	174	247	30,312	6,024	—
South Carolina	69,838	23,166	83	984	43,108	2,497	—
Georgia	90,809	59,985	108	61	26,016	4,639	—
Florida	130,744	61,123	30,116	18,735	20,508	263	—
South Atlantic	**541,105**	**310,846**	**38,763**	**23,468**	**152,866**	**15,161**	*****
Kentucky	75,505	71,714	112	22	—	3,658	—
Tennessee	73,932	46,671	160	17	16,587	10,497	—
Alabama	85,051	57,905	104	410	15,875	10,758	—
Mississippi	23,305	8,750	370	5,052	9,133	—	—
East South Central	**257,792**	**185,040**	**746**	**5,500**	**41,594**	**24,912**	**—**
Arkansas	38,365	19,574	64	2,504	12,662	3,561	—
Louisiana	57,137	18,912	45	24,223	13,956	—	—
Oklahoma	44,850	26,028	19	16,947	—	1,857	—
Texas	238,343	118,085	219	97,739	19,800	2,225	276
West South Central	**378,695**	**182,599**	**347**	**141,413**	**46,418**	**7,642**	**276**
Montana	28,157	16,132	18	24	—	11,921	62
Idaho	8,282	—	*	—	—	8,281	—
Wyoming	38,667	37,863	61	8	—	736	—
Colorado	31,038	28,923	38	415	—	1,663	*
New Mexico	25,065	22,129	32	2,666	—	237	—
Arizona	66,767	32,306	89	2,178	25,096	7,098	—
Utah	30,158	28,884	48	436	—	604	186
Nevada	20,457	15,901	238	1,957	—	2,362	—
Mountain	**248,592**	**182,138**	**523**	**7,684**	**25,096**	**32,903**	**249**
Washington	101,353	7,904	7	12	4,230	88,926	274
Oregon	46,298	2,814	10	1,164	1,465	40,844	*
California	104,957	—	598	43,929	31,542	20,975	7,912
Pacific	**252,608**	**10,718**	**615**	**45,106**	**37,237**	**150,745**	**8,186**
Alaska	4,286	326	407	2,657	—	896	—
Hawaii	7,333	—	7,313	—	—	20	—
Alaska & Hawaii	**11,620**	**326**	**7,720**	**2,657**	**—**	**917**	**—**

Note: Total may not equal sum of components due to independent rounding

† Excludes petroleum coke.

‡ Includes petroleum coke.

**Less than five hundred thousand kilowatthours.*

***Includes generation by geothermal, wood, waste, wind and solar.*

p Preliminary. ( ) Denotes negative value.

Source: U.S. Department of Energy, Energy Information Administration. Monthly Power Plant Report. *(EIA—759).*

TABLE 24

SOURCES OF ENERGY FOR ELECTRIC GENERATION TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND ENERGY SOURCE
YEAR 1991p — PERCENT

State/Division	Total Generation	Coal†	Fuel Oil‡	Gas	Nuclear Fuel	Hydro	Other**
Total United States	**100.0%**	**54.9%**	**3.9%**	**9.4%**	**21.7%**	**9.8%**	**0.4**
Maine	100.0	—	13.3	—	65.8	20.8	—
New Hampshire	100.0	24.9	12.3	(*)	53.4	9.3	—
Vermont	100.0	—	0.1	1.8	78.1	17.9	2.1
Massachusetts	100.0	33.1	43.6	10.3	12.3	0.6	—
Rhode Island	100.0	—	31.6	68.4	—	—	—
Connecticut	100.0	9.0	33.5	2.0	52.0	1.7	1.9
New England	**100.0**	**19.7**	**30.3**	**5.0**	**38.9**	**5.4**	**0.6**
New York	100.0	19.8	22.0	15.9	22.6	19.8	—
New Jersey	100.0	14.1	4.9	14.4	67.0	(0.4)	—
Pennsylvania	100.0	61.8	2.3	0.1	35.4	0.4	—
Middle Atlantic	**100.0**	**40.1**	**10.2**	**7.8**	**34.0**	**7.8**	**—**
Ohio	100.0	88.0	0.3	0.2	11.2	0.1	0.2
Indiana	100.0	98.3	0.4	0.9	—	0.4	—
Illinois	100.0	42.2	0.7	0.8	56.2	*	—
Michigan	100.0	68.9	0.6	1.1	28.6	0.9	—
Wisconsin	100.0	71.0	0.1	0.4	23.3	4.8	0.3
East North Central	**100.0**	**73.1**	**0.4**	**0.7**	**24.9**	**0.7**	**0.1**
Minnesota	100.0	63.4	1.5	1.1	31.0	2.0	1.0
Iowa	100.0	82.8	0.1	0.8	13.3	2.8	0.1
Missouri	100.0	79.7	0.2	1.7	16.6	1.8	—
North Dakota	100.0	93.5	0.1	(*)	—	6.4	—
South Dakota	100.0	41.5	0.1	0.1	—	58.2	—
Nebraska	100.0	59.0	0.1	1.3	35.0	4.5	—
Kansas	100.0	72.5	0.2	9.2	18.1	*	*
West North Central	**100.0**	**74.6**	**0.4**	**2.3**	**18.3**	**4.3**	**0.2**
Delaware	100.0	60.5	25.0	14.5	—	—	—
Maryland	100.0	59.2	10.3	3.2	23.6	3.7	—
District of Columbia	100.0	—	100.0	—	—	—	—
Virginia	100.0	44.8	4.2	2.3	48.8	(0.1)	*
West Virginia	100.0	99.2	0.3	*	—	0.5	—
North Carolina	100.0	56.0	0.2	0.3	36.3	7.2	—
South Carolina	100.0	33.2	0.1	1.4	61.7	3.6	—
Georgia	100.0	66.1	0.1	0.1	28.6	5.1	—
Florida	100.0	46.8	23.0	14.3	15.7	0.2	—
South Atlantic	**100.0**	**57.4**	**7.2**	**4.3**	**28.3**	**2.8**	*****
Kentucky	100.0	95.0	0.1	*	—	4.8	—
Tennessee	100.0	63.1	0.2	*	22.4	14.2	—
Alabama	100.0	68.1	0.1	0.5	18.7	12.6	—
Mississippi	100.0	37.5	1.6	21.7	39.2	—	—
East South Central	**100.0**	**71.8**	**0.3**	**2.1**	**16.1**	**9.7**	**—**
Arkansas	100.0	51.0	0.2	6.5	33.0	9.3	—
Louisiana	100.0	33.1	0.1	42.4	24.4	—	—
Oklahoma	100.0	58.0	*	37.8	—	4.1	—
Texas	100.0	49.5	0.1	41.0	8.3	0.9	0.1
West South Central	**100.0**	**48.2**	**0.1**	**37.3**	**12.3**	**2.0**	**0.1**
Montana	100.0	57.3	0.1	0.1	—	42.3	0.2
Idaho	100.0	—	*	—	—	100.0	—
Wyoming	100.0	97.9	0.2	*	—	1.9	—
Colorado	100.0	93.2	0.1	1.3	—	5.4	*
New Mexico	100.0	88.3	0.1	10.6	—	0.9	—
Arizona	100.0	48.4	0.1	3.3	37.6	10.6	—
Utah	100.0	95.8	0.2	1.4	—	2.0	0.6
Nevada	100.0	77.7	1.2	9.6	—	11.5	—
Mountain	**100.0**	**73.3**	**0.2**	**3.1**	**10.1**	**13.2**	**0.1**
Washington	100.0	7.8	*	*	4.2	87.7	0.3
Oregon	100.0	6.1	*	2.5	3.2	88.2	*
California	100.0	—	0.6	41.9	30.1	20.0	7.5
Pacific	**100.0**	**4.2**	**0.2**	**17.9**	**14.7**	**59.7**	**3.2**
Alaska	100.0	7.6	9.5	62.0	—	20.9	—
Hawaii	100.0	—	99.7	—	—	0.3	—
Alaska & Hawaii	**100.0**	**2.8**	**66.4**	**22.9**	**—**	**7.9**	**—**

Note: Total may not equal sum of components due to independent rounding.

† Excludes petroleum coke.

‡ Includes petroleum coke.

** Less than one tenth of one percent.*

*** Includes generation by geothermal, wood, waste, wind and solar.*

p Preliminary. ( ) Denotes negative value.

Source: U.S. Department of Energy. Energy Information Administration. Monthly Power Plant Report. *(EIA—759), as shown in Table 23.*

TABLE 25

CONSUMPTION OF FOSSIL FUELS FOR ELECTRIC GENERATION TOTAL ELECTRIC UTILITY INDUSTRY

BY YEAR AND KIND OF FUEL

Year	Coal* (Thousand Short Tons)	Fuel Oil (Thousand 42-Gallon Barrels)	Gas (Million Cubic Feet)	Total Fossil Fuel in Coal Equivalents**† (Thousand Short Tons)	Net Generation by Fuels** (kWh in Millions)	Heat Rate† (Btu per kWh)	Lbs. of Coal per kWh†
1991p	**772,316**	**184,886**	**2,788,443**	**987,487‡**	**1,924,807**	**10,322**	**0.997**
1990r	773,549	196,054	2,787,332	988,300‡	1,940,712	10,366	0.997
1989	766,888	267,451	2,787,012	1,004,964‡	1,978,577	10,312	0.987
1988	758,372	248,096	2,635,613	984,969‡	1,942,353	10,328	0.984
1987	717,894	199,378	2,844,051	944,420‡	1,854,895	10,354	0.981
1986	685,056	230,482	2,602,370	970,720‡	1,770,925	10,423	0.989
1985	693,841	173,414	3,044,083	926,793‡	1,794,276	10,429	0.990
1984	664,399	204,479	3,111,342	909,156‡	1,758,882	10,385	0.990
1983	625,211	245,497	2,910,767	867,621‡	1,678,021	10,547	0.993
1982	593,666	249,771	3,225,518	858,869‡	1,644,062	10,517	0.996
1981	596,936	351,111	3,640,154	922,133‡	1,755,401	10,506	0.992
1980	569,453	420,214	3,681,595	916,952‡	1,753,749	10,489	0.980
1979	527,317	523,256	3,490,517	837,371	1,708,029	10,470	0.981
1978	481,624	635,829	3,188,370	811,814–	1,646,163	10,495	0.986
1977	477,215	623,656	3,190,571	798,425	1,648,775	10,449	0.969
1976	448,431	555,583	3,080,627	740,112	1,558,951	10,369	0.950
1975	406,032	506,081	3,157,591	686,236	1,441,611	10,383	0.952
1974	392,344	536,140	3,429,072	685,115	1,449,079	10,481	0.946
1973	388,190	559,842	3,640,756	688,043	1,498,958	10,429	0.918
1972	352,391	493,663	3,976,762	647,968	1,421,136	10,479	0.912
1971	327,878	396,438	3,975,972	599,766	1,307,310	10,536	0.918

* *Beginning in 1982, petroleum coke excluded from Coal.*

** *Excludes geothermal, wood, waste, and nuclear fuels, and includes petroleum coke.*

† *EEI estimate.*

‡ *Beginning in 1980, Coal Equivalents are calculated on the basis of Btu instead of generation data.*

p Preliminary. r Revised.

Sources: U.S. Department of Energy, Energy Information Administration, Monthly Power Plant Report *(EIA-759).*

TABLE 26

CONSUMPTION OF FOSSIL FUELS FOR ELECTRIC GENERATION TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND KIND OF FUEL — YEAR 1991p

State/Division	Coal (Thousand Short Tons)	Fuel Oil (Thousand 42-Gallon Barrels)	Gas (Million Cubic Feet)	Total Fossil Fuel in Coal Equivalents†‡ (Thousand Short Tons)	Net Generation by Fuels† (kWh in Millions)	Heat Rate‡ (Btu per kWh)	Lbs. of Coal per kWh‡
Total United States	**772,316**	**184,886**	**2,788,443**	**987,487**	**1,924,807**	**10,322**	**0.997**
Maine	–	2,307	–	555	1,269	11,401	–
New Hampshire	1,242	2,704	–	1,907	4,730	10,662	0.784
Vermont	–	15	1,091	45	101	6,304	–
Massachusetts	4,339	24,594	39,133	11,789	31,153	9,540	0.732
Rhode Island	–	142	1,638	98	171	15,540	–
Connecticut	840	13,029	4,702	4,145	10,476	10,459	0.793
New England	**6,421**	**42,791**	**46,564**	**18,538**	**47,900**	**9,912**	**0.749**
New York	9,874	45,315	211,640	29,464	72,723	10,471	0.792
New Jersey	2,081	3,293	61,874	5,289	12,378	11,164	0.795
Pennsylvania	40,662	6,060	2,037	42,286	104,236	10,106	0.810
Middle Atlantic	**52,617**	**54,668**	**275,551**	**77,039**	**189,336**	**10,319**	**0.806**
Ohio	49,577	753	3,237	49,906	117,417	9,992	0.849
Indiana	47,720	351	10,043	48,298	97,801	9,839	0.989
Illinois	27,754	3,044	12,865	29,327	55,933	10,722	1.029
Michigan	29,896	1,230	23,736	30,716	66,690	10,557	0.918
Wisconsin	18,771	147	2,706	18,955	33,731	10,778	1.121
East North Central	**173,718**	**5,525**	**52,588**	**177,202**	**371,572**	**10,242**	**0.949**
Minnesota	16,114	92	5,870	16,502	25,692	10,640	1.305
Iowa	15,846	109	3,671	16,092	26,179	10,934	1.225
Missouri	24,286	287	12,709	24,996	49,070	10,450	1.014
North Dakota	22,174	69	1	22,205	25,778	11,422	1.722
South Dakota	2,570	35	177	2,600	2,745	12,062	1.885
Nebraska	8,524	30	3,689	8,744	13,880	10,659	1.257
Kansas	14,732	156	36,122	16,707	26,447	11,559	1.257
West North Central	**104,246**	**778**	**62,239**	**107,846**	**169,790**	**10,893**	**1.272**
Delaware	1,958	2,808	14,354	3,225	7,604	11,168	0.852
Maryland	8,632	7,637	16,059	11,164	27,772	10,229	0.763
District of Columbia	–	497	–	120	180	16,523	–
Virginia	8,568	3,112	9,471	9,718	25,080	9,950	0.781
West Virginia	27,557	340	140	27,636	70,898	9,737	0.780
North Carolina	18,078	349	3,020	18,283	47,184	9,729	0.773
South Carolina	9,218	144	9,823	9,650	24,233	9,935	0.796
Georgia	24,848	213	838	24,937	60,154	9,743	0.828
Florida	24,870	48,430	201,319	45,767	109,973	10,143	0.814
South Atlantic	**123,729**	**63,529**	**255,024**	**150,501**	**373,077**	**9,952**	**0.796**
Kentucky	31,432	228	227	31,498	71,847	10,232	0.877
Tennessee	19,263	272	211	19,338	46,848	10,021	0.825
Alabama	23,700	163	3,792	23,899	58,418	10,441	0.819
Mississippi	3,570	681	62,358	6,282	14,172	10,169	0.816
East South Central	**77,965**	**1,343**	**66,588**	**81,017**	**191,286**	**10,236**	**0.843**
Arkansas	11,978	129	27,800	13,676	22,142	10,687	1.224
Louisiana	12,406	89	254,143	28,862	43,180	10,781	1.312
Oklahoma	15,668	38	167,214	25,628	42,993	10,384	1.204
Texas	87,856	452	1,005,051	159,575	216,042	10,432	1.488
West South Central	**127,908**	**707**	**1,454,208**	**227,742**	**324,358**	**10,483**	**1.401**
Montana	10,223	41	268	10,254	16,174	12,144	1.267
Idaho	–	1	–	*	**	20,714	–
Wyoming	23,115	122	76	23,161	37,931	10,446	1.221
Colorado	15,416	82	5,715	15,728	29,375	10,268	1.066
New Mexico	12,809	67	28,100	14,405	24,828	10,617	1.158
Arizona	16,116	159	23,282	17,302	34,573	10,521	0.998
Utah	12,829	82	5,190	13,093	29,368	10,081	0.888
Nevada	7,892	447	21,738	8,961	18,095	10,654	0.993
Mountain	**98,400**	**1,001**	**84,369**	**102,905**	**190,345**	**10,550**	**1.080**
Washington	5,184	16	139	5,198	7,923	10,128	1.312
Oregon	1,831	23	10,856	2,452	3,988	10,285	1.301
California	–	1,037	448,988	29,437	44,528	10,565	–
Pacific	**7,015**	**1,076**	**459,983**	**37,087**	**56,439**	**10,485**	**1.309**
Alaska	298	769	31,330	2,589	3,390	11,788	1.828
Hawaii	–	12,696	–	5,021	7,313	10,780	–
Alaska & Hawaii	**298**	**13,465**	**31,330**	**7,610**	**10,703**	**11,101**	**1.828**

Note: Total may not equal sum of components due to independent rounding.

† Excludes geothermal, wood, waste, and nuclear fuels, and includes petroleum coke.

‡ EEI estimate.

** Less than five hundred short tons.*

*** Less than five hundred thousand kilowatthours.*

p Preliminary.

Source: U.S. Department of Energy. Energy Information Administration. Monthly Power Plant Report. *(EIA-759).*

TABLE 27

FOSSIL FUELS USED FOR ELECTRIC GENERATION
TOTAL ELECTRIC UTILITY INDUSTRY

FUEL BURNED UNDER BOILERS AND BY INTERNAL COMBUSTION ENGINES
1988–1991 BY GEOGRAPHIC DIVISION

		Composite Averages			Coal (a)			Oil (b)			Gas (c)		
Division	Year	Cost per Million Btu Consumed	Cost of Fuel per Net kWh	Btu per Net kWh	Cost per Million Btu Consumed	Cost per Ton	Btu per Pound	Cost per Million Btu Consumed	Cost per Bbl	Btu per Gallon	Cost per Million Btu Consumed	Cost per MCF	Btu per Cu Ft
United States	1991	169.6¢	1.75¢	10,322	151.5¢	$31.45	10,379	293.8¢	$18.50	149,936	221.1¢	225.85¢	1,022
	1990r	174.1	1.80	10,366	151.2	31.73	10,492	332.1	20.85	149,453	234.2	240.53	1,027
	1989	174.0	1.79	10,312	150.3	31.49	10,478	293.7	18.33	148,572	238.4	244.64	1,026
	1988	170.7	1.76	10,328	152.2	31.99	10,511	260.5	16.32	149,097	227.7	234.06	1,028
New England	1991	229.2	2.27	9,912	182.9	48.07	13,138	261.7	16.56	150,685	215.6	220.78	1,024
	1990	250.7	2.54	10,151	184.4	48.10	13,042	290.2	18.36	150,618	247.0	253.35	1,026
	1989	239.3	2.44	10,213	168.3	43.98	13,066	270.4	17.02	149,924	243.1	253.57	1,043
	1988	224.4	2.29	10,213	194.3	51.07	13,141	237.2	14.93	149,833	225.4	231.22	1,026
Middle Atlantic	1991	207.7	2.14	10,319	167.1	41.85	12,520	319.0	20.14	150,360	261.1	267.23	1,023
	1990	216.2	2.22	10,262	161.4	40.22	12,457	359.8	22.32	147,719	269.5	277.89	1,031
	1989	206.2	2.12	10,292	155.9	38.87	12,465	305.7	19.08	148,575	263.4	270.66	1,028
	1988	192.4	1.98	10,317	154.3	38.78	12,569	268.3	16.74	148,549	245.6	252.64	1,028
East North Central	1991	160.7	1.65	10,242	158.7	34.68	10,928	341.9	21.20	147,624	229.9	161.41	702
	1990	160.3	1.65	10,275	158.7	34.61	10,905	377.3	23.15	146,066	225.0	120.28	535
	1989	161.7	1.67	10,317	159.6	35.23	11,039	350.9	21.51	145,916	266.5	120.49	452
	1988	166.2	1.72	10,379	164.1	36.44	11,102	325.5	20.06	146,747	278.3	147.35	530
West North Central	1991	118.4	1.29	10,893	116.0	20.02	8,633	427.2	25.14	140,085	180.3	178.51	990
	1990r	119.2	1.31	11,002	117.2	20.57	8,774	427.3	25.11	139,890	196.8	195.72	995
	1989	118.4	1.30	11,006	116.5	20.39	8,750	377.8	22.09	139,207	221.1	217.52	984
	1988	122.2	1.33	10,852	120.2	20.89	8,687	350.5	20.96	142,364	213.1	210.89	990
South Atlantic	1991	188.5	1.88	9,952	176.7	43.67	12,359	264.3	16.68	150,314	214.7	218.60	1,018
	1990	193.3	1.92	9,933	177.2	43.68	12,327	308.5	19.43	149,963	253.5	257.60	1,016
	1989	188.8	1.89	10,016	173.6	42.94	12,365	277.5	17.45	149,766	247.0	250.71	1,015
	1988	181.8	1.81	9,939	172.8	42.92	12,416	246.4	15.54	150,189	215.6	217.77	1,010
East South Central	1991	148.2	1.52	10,236	147.3	35.29	11,977	338.8	21.10	148,287	160.7	164.35	1,022
	1990	152.5	1.54	10,112	150.6	35.96	11,937	322.4	20.02	147,833	181.4	186.99	1,031
	1989	155.8	1.57	10,066	154.3	36.62	11,869	288.2	18.00	148,668	190.5	184.11	967
	1988	157.3	1.57	10,003	155.5	37.12	11,933	356.0	21.76	145,501	190.0	194.26	1,022
West South Central	1991	174.8	1.83	10,483	153.1	23.35	7,626	511.7	30.56	142,188	201.9	208.49	1,032
	1990	179.2	1.91	10,653	150.3	24.01	7,986	481.1	28.96	143,304	213.9	221.91	1,038
	1989	182.2	1.90	10,449	148.8	23.04	7,742	414.4	24.95	143,385	218.1	225.92	1,036
	1988	180.2	1.89	10,475	153.7	23.82	7,749	418.9	25.63	145,643	208.9	216.40	1,036
Mountain	1991	121.4	1.28	10,550	117.6	22.84	9,710	478.5	28.47	141,682	191.8	193.76	1,010
	1990	118.6	1.27	10,695	113.6	22.22	9,774	417.6	25.00	142,552	210.6	216.89	1,030
	1989	119.5	1.24	10,351	112.4	21.78	9,685	352.3	21.04	142,227	218.7	224.99	1,029
	1988	116.6	1.24	10,647	111.7	21.73	9,729	296.5	18.21	146,267	222.9	227.82	1,022
Pacific	1991	253.3	2.66	10,485	134.2	21.31	7,940	365.3	22.31	145,396	282.5	289.64	1,025
	1990	274.4	2.89	10,521	148.1	24.00	8,104	348.6	21.44	146,407	287.7	298.31	1,037
	1989	275.0	2.84	10,321	148.9	24.18	8,121	297.0	18.26	146,358	292.8	304.21	1,039
	1988	266.2	2.76	10,377	144.4	23.40	8,103	272.6	16.95	148,075	285.5	295.92	1,037
Alaska	1991	158.1	1.86	11,788	193.7	30.30	7,821	445.2	25.53	136,513	118.0	118.34	1,003
	1990r	148.1	1.84	12,403	184.4	29.06	7,881	639.0	37.06	138,091	112.7	113.04	1,003
	1989	135.3	1.66	12,260	194.8	30.68	7,874	432.8	25.14	138,292	104.2	104.31	1,001
	1988	124.8	1.48	11,841	263.5	41.13	7,806	618.0	35.97	138,581	99.7	99.85	1,001
Hawaii	1991	374.4	4.04	10,780	–	–	–	374.4	23.16	147,298	–	–	–
	1990	376.7	4.30	11,424	–	–	–	376.7	24.83	156,945	–	–	–
	1989	328.8	3.42	10,388	–	–	–	328.8	19.60	141,928	–	–	–
	1988	293.6	3.12	10,640	–	–	–	293.6	18.29	148,286	–	–	–

(a) Coal includes bituminous and anthracite coal and relatively small amounts of lignite.
(b) Oil includes fuel oil, crude oil, and small amounts of tar and gasoline, and petroleum coke.
(c) Gas includes natural and manufactured gas and waste gas.
r Revised.

TABLE 28

NUCLEAR FUEL USED FOR ELECTRIC GENERATION

1988–1991 BY GEOGRAPHIC DIVISION

Division	Year	Average Cost per million Btu Consumed (cents)	Average Cost of Fuel per Net kWh (mills)	Average Btu per Net kWh
United States	1991	62.41¢	6.68	10,709
	1990	65.01	7.16	11,016
	1989	68.53	7.63	11,133
	1988	72.64	7.88	10,854
New England	1991	65.17	6.91	10,603
	1990	74.60	7.88	10,565
	1989	76.64	8.16	10,654
	1988	79.13	8.54	10,792
Middle Atlantic	1991	65.52	7.08	10,804
	1990	60.45	6.63	10,974
	1989	65.41	7.35	11,239
	1988	65.29	7.12	10,912
East North Central	1991	60.40	6.51	10,777
	1990	65.42	7.02	10,738
	1989	69.60	7.49	10,767
	1988	76.48	8.30	10,848
West North Central	1991	53.68	5.72	10,648
	1990	52.23	5.54	10,606
	1989	52.77	5.60	10,614
	1988	58.25	6.21	10,664
South Atlantic	1991	56.18	6.00	10,675
	1990	59.28	6.38	10,765
	1989	63.82	6.84	10,723
	1988	68.05	7.29	10,709
East South Central	1991	81.10	8.69	10,711
	1990	84.86	9.18	10,815
	1989	85.20	9.19	10,790
	1988	91.48	10.09	11,034
West South Central	1991	65.44	7.01	10,710
	1990	72.56	7.79	10,733
	1989	73.88	7.98	10,805
	1988	81.96	8.78	10,715
Mountain	1991	70.69	7.42	10,494
	1990	77.94	8.10	10,390
	1989	80.64	8.57	10,626
	1988	81.77	8.49	10,383
Pacific	1991	62.86	6.69	10,640
	1990	69.03	7.27	10,531
	1989	75.27	7.97	10,591
	1988	78.47	8.36	10,659
Alaska & Hawaii	1991	—	—	—
	1990	—	—	—
	1989	—	—	—
	1988	—	—	—

TABLE 29

FOSSIL FUELS USED FOR ELECTRIC GENERATION
TOTAL ELECTRIC UTILITY INDUSTRY

FUEL BURNED UNDER BOILERS AND BY INTERNAL COMBUSTION ENGINES
BY STATE — YEAR 1991

	Composite Averages			Coal (a)			Oil (b)			Gas (c)		
State/Division	Cost per Million Btu Consumed	Cost of Fuel per Net kWh	Btu per Net kWh	Cost per Million Btu Consumed	Cost per Ton	Btu per Pound	Cost per Million Btu Consumed	Cost per Bbl	Btu per Gallon	Cost per Million Btu Consumed	Cost per MCF	Btu per Cu Ft
Total United States	**169.6¢**	**1.75¢**	**10,322**	**151.5¢**	**$31.45**	**10,379**	**293.8¢**	**$18.50**	**149,936**	**221.1¢**	**225.85¢**	**1,022**
Maine	258.9	2.95	11,401	—	—	—	258.9	16.35	150,398	—	—	—
New Hampshire	199.2	2.12	10,662	191.6	50.73	13,238	213.5	13.91	155,072	—	—	—
Vermont	210.4	1.33	6,304	—	—	—	563.1	32.47	137,292	172.7	172.39	998
Massachusetts	223.6	2.13	9,540	173.5	45.43	13,090	264.2	16.65	150,061	218.9	223.92	1,023
Rhode Island	220.2	3.33	15,141	—	—	—	306.4	18.86	146,575	181.0	187.00	1,033
Connecticut	254.8	2.66	10,459	218.1	57.74	13,236	267.5	16.97	150,985	206.5	213.22	1,033
New England	**229.2**	**2.27**	**9,910**	**182.9**	**48.07**	**13,138**	**261.7**	**16.56**	**150,685**	**215.6**	**220.78**	**1,024**
New York	249.2	2.61	10,471	164.6	42.32	12,852	311.4	19.65	150,262	265.0	272.37	1,028
New Jersey	246.9	2.76	11,164	203.9	53.03	13,005	370.3	23.69	152,283	246.5	248.47	1,008
Pennsylvania	172.2	1.74	10,106	165.5	41.08	12,412	348.9	21.98	150,020	293.3	306.80	1,046
Middle Atlantic	**207.7**	**2.14**	**10,319**	**167.1**	**41.85**	**12,520**	**319.0**	**20.14**	**150,360**	**261.1**	**267.23**	**1,023**
Ohio	157.6	1.57	9,992	156.5	37.15	11,869	436.4	25.98	141,749	256.6	263.99	1,029
Indiana	146.8	1.44	9,839	145.5	31.01	10,659	553.0	31.71	136,545	228.6	234.58	1,026
Illinois	200.7	2.15	10,722	197.0	40.53	10,289	324.7	20.58	150,918	205.3	208.65	1,017
Michigan	157.7	1.66	10,557	154.9	34.69	11,198	304.7	18.68	145,952	231.5	105.53	456
Wisconsin	145.7	1.57	10,778	144.3	27.77	9,623	364.7	21.24	138,679	260.9	258.30	990
East North Central	**160.7**	**1.65**	**10,242**	**158.7**	**34.68**	**10,928**	**341.9**	**21.20**	**147,624**	**229.9**	**161.41**	**702**
Minnesota	125.8	1.34	10,640	124.6	20.69	8,303	424.5	24.97	140,067	172.8	173.80	1,006
Iowa	118.1	1.29	10,934	115.6	20.34	8,802	486.6	28.24	138,180	249.9	251.40	1,006
Missouri	138.1	1.44	10,450	137.2	28.23	10,286	382.1	23.00	143,333	154.3	156.49	1,014
North Dakota	72.9	0.83	11,422	72.5	9.61	6,622	409.7	24.10	140,055	425.7	454.33	1,067
South Dakota	115.7	1.40	12,062	113.2	14.13	6,242	441.9	25.23	135,931	197.4	198.57	1,006
Nebraska	84.7	0.90	10,659	81.8	13.93	8,516	432.3	24.45	134,678	192.9	186.68	968
Kansas	132.3	1.53	11,559	125.9	23.10	9,173	449.4	26.34	139,577	182.4	178.39	978
West North Central	**118.4**	**1.29**	**10,893**	**116.0**	**20.02**	**8,633**	**427.2**	**25.14**	**140,085**	**180.3**	**178.51**	**990**
Delaware	216.0	2.41	11,168	186.9	47.96	12,831	289.5	18.26	150,185	236.5	243.85	1,031
Maryland	193.3	1.98	10,229	173.1	44.27	12,789	271.9	17.08	149,611	231.7	242.21	1,045
District of Columbia	391.0	6.46	16,523	—	—	—	391.0	23.42	142,625	—	—	—
Virginia	166.7	1.66	9,950	153.3	39.13	12,761	319.1	19.96	148,954	162.9	169.89	1,043
West Virginia	156.4	1.52	9,737	155.4	38.69	12,448	615.2	35.81	138,588	—	—	—
North Carolina	185.6	1.81	9,729	183.5	46.10	12,561	502.8	29.35	138,966	283.5	292.30	1,031
South Carolina	169.1	1.68	9,935	169.1	42.76	12,645	548.0	32.37	140,666	151.9	155.66	1,025
Georgia	184.3	1.80	9,743	183.5	43.38	11,822	514.6	30.14	139,448	309.5	317.55	1,026
Florida	216.9	2.20	10,143	199.9	48.86	12,219	252.3	15.98	150,803	216.5	219.34	1,013
South Atlantic	**188.5**	**1.88**	**9,952**	**176.7**	**43.67**	**12,359**	**264.3**	**16.68**	**150,314**	**214.7**	**218.60**	**1,018**
Kentucky	125.9	1.29	10,232	125.6	29.43	11,715	518.3	30.19	138,680	277.4	279.37	1,007
Tennessee	132.1	1.32	10,021	131.9	31.97	12,123	131.9	34.34	139,233	415.9	430.49	1,035
Alabama	182.5	1.91	10,441	182.2	44.09	12,098	557.2	32.22	137,682	181.8	186.27	1,024
Mississippi	171.3	1.74	10,169	173.5	43.54	12,550	279.8	17.78	151,353	158.6	162.13	1,022
East South Central	**148.2**	**1.52**	**10,236**	**147.3**	**35.29**	**11,977**	**338.8**	**21.10**	**148,287**	**160.7**	**164.35**	**1,022**
Arkansas	165.3	1.77	10,687	165.6	28.65	8,653	874.0	50.62	137,884	139.5	143.65	1,030
Louisiana	164.7	1.78	10,781	173.9	27.88	8,016	437.1	26.37	143,640	157.1	162.77	1,036
Oklahoma	193.1	2.01	10,384	134.2	23.46	8,741	253.6	15.03	141,082	285.8	297.11	1,040
Texas	173.9	1.81	10,432	152.5	22.09	7,243	459.0	27.58	143,059	199.1	205.17	1,031
West South Central	**174.8**	**1.83**	**10,483**	**153.1**	**23.35**	**7,626**	**511.7**	**30.56**	**142,188**	**201.9**	**208.49**	**1,032**
Montana	63.2	0.77	12,144	62.7	10.66	8,498	443.9	25.69	137,810	290.4	316.24	1,089
Idaho	419.1	8.68	20,714	—	—	—	419.1	24.65	140,045	—	—	—
Wyoming	88.5	0.92	10,446	87.7	15.16	8,640	582.8	34.05	139,120	334.3	351.32	1,051
Colorado	129.3	1.33	10,268	127.5	25.22	9,894	466.5	27.97	142,766	220.8	219.38	994
New Mexico	137.9	1.46	10,617	133.5	24.29	9,100	391.4	22.96	139,640	172.3	175.82	1,020
Arizona	153.0	1.61	10,521	144.9	30.35	10,471	574.2	33.69	139,714	212.7	218.33	1,027
Utah	127.6	1.29	10,081	126.5	28.63	11,317	515.4	30.20	139,531	169.8	179.96	1,060
Nevada	154.1	1.65	10,700	146.1	32.50	11,124	386.2	23.34	143,882	192.4	186.64	970
Mountain	**122.0**	**1.29**	**10,556**	**117.6**	**22.84**	**9,710**	**478.5**	**28.47**	**141,682**	**191.8**	**193.76**	**1,010**
Washington	138.8	1.41	10,128	137.9	21.48	7,786	703.6	35.98	121,763	302.3	311.50	1,030
Oregon	137.5	1.41	10,285	125.2	20.89	8,339	382.4	22.29	138,766	173.6	163.37	941
California	285.9	3.01	10,543	—	—	—	360.8	22.11	145,923	284.9	292.66	1,027
Pacific	**255.0**	**2.67**	**10,465**	**134.2**	**21.31**	**7,940**	**365.3**	**22.31**	**145,396**	**282.5**	**289.64**	**1,025**
Alaska	158.1	1.86	11,788	193.7	30.30	7,821	445.2	25.53	136,513	118.0	118.34	1,003
Hawaii	374.4	4.04	10,780	—	—	—	374.4	23.16	147,298	—	—	—
Alaska & Hawaii	**301.2**	**3.34**	**11,101**	**193.7**	**30.30**	**7,821**	**377.7**	**23.28**	**146,756**	**118.0**	**118.34**	**1,003**

See page 34 for footnotes.

TABLE 30

NUCLEAR FUEL USED FOR ELECTRIC GENERATION

BY STATE — YEAR 1991

State/Division	Average Cost per Million Btu Consumed (cents)	Average Cost of Fuel per Net kWh (mills)	Average Btu per Net kWh
Total United States	**62.41¢**	**6.68**	**10,709**
Maine	43.92	4.63	10,543
New Hampshire	62.02	6.36	10,252
Vermont	56.27	6.05	10,756
Massachusetts	61.04	6.56	10,749
Rhode Island	—	—	—
Connecticut	81.81	8.77	10,722
New England	**65.17**	**6.91**	**10,603**
New York	53.72	5.74	10,685
New Jersey	61.37	6.64	10,817
Pennsylvania	73.10	7.94	10,856
Middle Atlantic	**65.52**	**7.08**	**10,804**
Ohio	103.05	10.90	10,581
Indiana	—	—	—
Illinois	52.72	5.66	10,741
Michigan	63.34	7.00	11,050
Wisconsin	45.78	4.86	10,606
East North Central	**60.40**	**6.51**	**10,777**
Minnesota	46.65	5.04	10,796
Iowa	64.12	7.01	10,933
Missouri	64.17	6.67	10,388
North Dakota	—	—	—
South Dakota	—	—	—
Nebraska	62.04	6.64	10,705
Kansas	31.50	3.31	10,503
West North Central	**53.66**	**5.72**	**10,648**
Delaware	—	—	—
Maryland	48.34	5.30	10,971
District of Columbia	—	—	—
Virginia	52.01	5.66	10,884
West Virginia	—	—	—
North Carolina	53.78	5.68	10,567
South Carolina	52.27	5.46	10,438
Georgia	69.19	7.48	10,814
Florida	59.53	6.42	10,785
South Atlantic	**56.18**	**6.00**	**10,675**
Kentucky	—	—	—
Tennessee	90.31	9.11	10,090
Alabama	68.03	7.62	11,200
Mississippi	85.26	9.50	11,139
East South Central	**81.10**	**8.69**	**10,711**
Arkansas	70.17	7.48	10,656
Louisiana	83.69	9.00	10,752
Oklahoma	—	—	—
Texas	49.48	5.30	10,716
West South Central	**65.44**	**7.01**	**10,710**
Montana	—	—	—
Idaho	—	—	—
Wyoming	—	—	—
Colorado	—	—	—
New Mexico	—	—	—
Arizona	70.69	7.42	10,494
Utah	—	—	—
Nevada	—	—	—
Mountain	**70.69**	**7.42**	**10,494**
Washington	45.36	4.82	10,634
Oregon	42.32	4.65	10,982
California	67.00	7.12	10,626
Pacific	**62.86**	**6.69**	**10,640**
Alaska	—	—	—
Hawaii	—	—	—
Alaska & Hawaii	**—**	**—**	**—**

TABLE 31

AVERAGE COST OF FOSSIL FUELS DELIVERED TO STEAM-ELECTRIC UTILITY PLANTS

BY YEAR

(CENTS PER MILLION BTU)

Year	Coal	Residual Oil*	Natural Gas**	All Fossil Fuels**
1991	144.7	246.4	215.3	160.4
1990	145.5	331.9	232.1	168.9
1989	144.5	284.6	235.5	167.5
1988	146.6	240.5	226.3	164.3
1987	150.6	297.6	224.0	170.6
1986	157.9	240.1	235.1	175.0

**Residual fuel oil prices include Fuel Oil No. 4, No. 5, No. 6, and topped crude fuel oil prices. The weighted average for all fossil fuels includes both residual fuel oil prices and light oil (Fuel Oil No. 2, kerosene, and jet fuel) prices.*

***Includes small quantities of coke oven gas, refinery gas and blast furnace gas.*

Source: U.S. Department of Energy. Energy Information Administration. Monthly Energy Review.

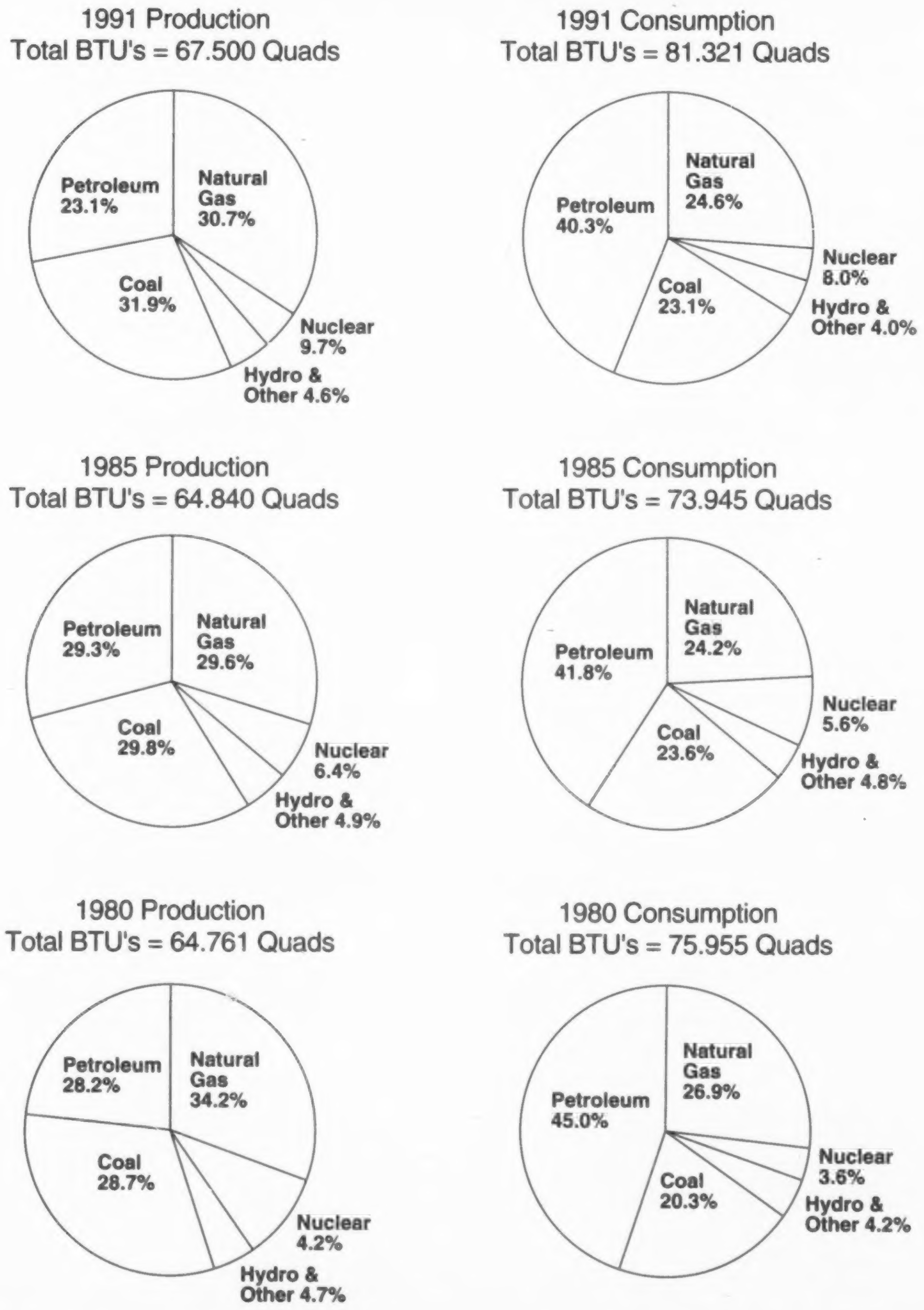
SECTION V

ENERGY

CHART V-A

ENERGY PRODUCTION AND CONSUMPTION

BY PRIMARY ENERGY SOURCE



1991 Production
Total BTU's = 67.500 Quads

1991 Consumption
Total BTU's = 81.321 Quads

1985 Production
Total BTU's = 64.840 Quads

1985 Consumption
Total BTU's = 73.945 Quads

1980 Production
Total BTU's = 64.761 Quads

1980 Consumption
Total BTU's = 75.955 Quads

Source: U.S. Department of Energy. Energy Information Administration. 'Monthly Energy Review' May, 1992.

TABLE 32

ENERGY SUPPLY AND DISPOSITION BALANCE

BY YEAR
(QUADRILLION BTU)

	1991p	1990r	1989	1988	1987	1986	1985	1984	1983	1982	1981
SUPPLY											
Production											
Crude Oil & Lease Condensate	15.61	15.57	16.12	17.28	17.67	18.38	18.99	18.85	18.39	18.31	18.15
Natural Gas Plant Liquids	2.29	2.17	2.16	2.26	2.22	2.15	2.24	2.27	2.18	2.19	2.31
Natural Gas	18.42	18.36	17.85r	17.60r	17.14r	16.54r	16.98r	18.01r	16.59r	18.32r	19.70
Coal	21.55	22.46	21.35	20.74	20.14	19.51	19.33	19.72	17.25	18.64	18.38
Nuclear	6.54	6.16	5.68	5.66	4.91	4.47	4.15	3.55	3.20	3.13	3.01
Hydro	2.88	2.93	2.77	2.31	2.59	3.02	2.94	3.35	3.53	3.27	2.76
Other	0.19	0.20	0.22	0.23	0.24	0.23	0.21	0.17	0.13	0.11	0.13
Total Production	**67.49**	**67.85**	**66.13r**	**66.08r**	**64.91r**	**64.30r**	**64.84r**	**65.92r**	**61.28r**	**63.96r**	**64.42**
Imports											
Crude Oil	12.55	12.77	12.60	11.03	10.07	9.00	6.81	7.30	7.08	7.42	9.34
Refined Petroleum Products	3.70	4.35	4.57	4.72	4.10	4.20	3.80	4.13	3.57	3.36	3.30
Natural Gas	1.71	1.55	1.39	1.30	0.99	0.75	0.95	0.85	0.94	0.95	0.92
Other	0.38	0.32	0.40	0.52	0.60	0.48	0.54	0.48	0.44	0.36	0.42
Total Imports	**18.35**	**18.99**	**18.95**	**17.56**	**15.76**	**14.43**	**12.10**	**12.76**	**12.03**	**12.09**	**13.97**
Adjustments	0.86	(0.64)	1.03r	0.96r	0.03r	(0.43)r	1.24r	(0.78)r	0.94r	(0.57)r	(0.08)
Total Supply	**86.70**	**86.20**	**86.11**	**84.61**	**80.70**	**78.30**	**78.18**	**77.90**	**74.24**	**75.48**	**78.32**
DISPOSITION											
Exports											
Coal	2.85	2.77	2.64	2.50	2.09	2.25	2.44	2.15	2.04	2.79	2.94
Other	2.34	2.13	2.13	1.91	1.76	1.81	1.80	1.65	1.68	1.84	1.38
Total Exports	**5.19**	**4.91**	**4.77**	**4.41**	**3.85**	**4.05**	**4.23**	**3.80**	**3.72**	**4.63**	**4.33**
Consumption											
Refined Petroleum Products	32.72	33.55	34.21	34.22	32.87	32.20	30.92	31.05	30.05	30.23	31.93
Natural Gas	20.16	19.30	19.38	18.55	17.74	16.71	17.83	18.51	17.36	18.51	19.93
Coal	18.81	19.12	18.94	18.85	18.01	17.26	17.48	17.07	15.89	15.32	15.91
Nuclear	6.54	6.16	5.68	5.66	4.91	4.47	4.15	3.55	3.20	3.13	3.01
Hydro	3.08	2.95	2.88	2.64	3.07	3.39	3.36	3.76	3.90	3.57	3.11
Other	0.20	0.21	0.25	0.27	0.25	0.21	0.20	0.16	0.12	0.09	0.11
Total Consumption	**81.51**	**81.29**	**81.35**	**80.20**	**76.84**	**74.24**	**73.95**	**74.10**	**70.52**	**70.85**	**73.99**
Total Disposition	**86.70**	**86.20**	**86.11**	**84.61**	**80.70**	**78.30**	**78.18**	**77.90**	**74.24**	**75.48**	**78.32**

	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971
SUPPLY										
Production										
Crude Oil & Lease Condensate	18.25	18.10	18.43	17.45	17.26	17.73	18.57	19.49	20.04	20.03
Natural Gas Plant Liquids	2.25	2.29	2.25	2.33	2.33	2.37	2.47	2.57	2.60	2.54
Natural Gas	19.91	20.08	19.49	19.57	19.48	19.64	21.21	22.19	22.21	22.28
Coal	18.60	17.54	14.91	15.76	15.65	14.99	14.07	13.99	14.09	13.19
Nuclear	2.74	2.78	3.02	2.70	2.11	1.90	1.27	0.91	0.58	0.41
Hydro	2.90	2.93	2.94	2.33	2.98	3.15	3.18	2.86	2.86	2.82
Other	0.11	0.09	0.07	0.08	0.08	0.07	0.06	0.05	0.03	0.02
Total Production	**64.76**	**63.80**	**61.10**	**60.22**	**59.89**	**59.86**	**60.84**	**62.06**	**62.42**	**61.29**
Imports										
Crude Oil	11.19	13.83	13.46	14.03	11.24	8.72	7.40	6.89	4.71	3.57
Refined Petroleum Products	3.46	4.11	4.36	4.73	4.43	4.23	5.73	6.58	5.59	4.97
Natural Gas	1.01	1.30	0.99	1.04	0.99	0.98	0.99	1.06	1.05	0.96
Other	0.31	0.38	0.44	0.30	0.18	0.19	0.30	0.21	0.11	0.08
Total Imports	**15.97**	**19.62**	**19.25**	**20.09**	**16.84**	**14.11**	**14.41**	**14.73**	**11.46**	**9.58**
Adjustments	(1.05)	(1.65)	(0.34)	(1.95)	(0.18)	(1.07)	(0.48)	(0.46)	(0.48)	(0.82)
Total Supply	**79.68**	**81.77**	**80.02**	**78.36**	**76.55**	**72.91**	**74.77**	**76.33**	**73.40**	**70.06**
DISPOSITION										
Exports										
Coal	2.42	1.75	1.08	1.44	1.60	1.76	1.62	1.43	1.53	1.55
Other	1.30	1.11	0.86	0.63	0.59	0.60	0.60	0.63	0.61	0.63
Total Exports	**3.72**	**2.87**	**1.93**	**2.07**	**2.19**	**2.36**	**2.22**	**2.05**	**2.14**	**2.18**
Consumption										
Refined Petroleum Products	34.20	37.12	37.97	37.12	35.17	32.73	33.45	34.84	32.95	30.56
Natural Gas	20.39	20.67	20.00	19.93	20.35	19.95	21.73	22.51	22.70	22.47
Coal	15.42	15.04	13.77	13.92	13.58	12.66	12.66	12.97	12.08	11.60
Nuclear	2.74	2.78	3.02	2.70	2.11	1.90	1.27	0.91	0.58	0.41
Hydro	3.12	3.14	3.14	2.51	3.07	3.22	3.31	3.01	2.94	2.86
Other	0.08	0.15	0.19	0.10	0.08	0.09	1.12	0.04	0.01	(0.02)
Total Consumption	**75.96**	**78.90**	**78.09**	**76.29**	**74.36**	**70.55**	**72.54**	**74.28**	**71.26**	**67.89**
Total Disposition	**79.68**	**81.77**	**80.02**	**78.36**	**76.55**	**72.91**	**74.77**	**76.33**	**73.40**	**70.06**

Note: Total may not equal sum of components due to independent rounding.
( ) Denotes negative value. p Preliminary. r Revised.
Source: U.S. Department of Energy. Energy Information Administration. Annual Energy Review 1991.

TABLE 33

ANNUAL CONSUMPTION OF FOSSIL ENERGY RESOURCES

BY KIND OF FUEL, BY SECTOR*
(QUADRILLION BTU)

	1991p	1990r	1989	1988	1987	1986
Coal						
Residential & Commercial	0.15	0.16	0.15	0.17	0.16	0.18
Industrial	2.60	2.76	2.81	2.83	2.67	2.64
Transportation	**	**	**	**	**	**
Electric Utilities	16.07	16.19	15.99	15.85	15.17	14.44
Total	18.81	19.10	18.94	18.85	18.01	17.26
Natural Gas (Dry)						
Residential & Commercial	7.58	7.28	7.73r	7.51	6.95	6.83
Industrial	8.85	8.45	8.13r	7.70	7.32	6.69
Transportation	0.83	0.68	0.65	0.63	0.54	0.50
Electric Utilities	2.88	2.88	2.87r	2.71	2.94	2.69
Total	20.15	19.30	19.38	18.55	17.75r	16.71
Petroleum						
Residential & Commercial	2.17	2.18	2.54r	2.61r	2.59r	2.56r
Industrial	7.96	8.32	8.13r	8.43r	8.15r	7.92r
Transportation	21.41	21.80	21.86r	21.62r	20.87r	20.27r
Electric Utilities	1.18	1.25	1.69	1.56	1.26	1.45
Total	32.72	33.55	34.21	34.22	32.87	32.20

Note: Total may not equal sum of components due to independent rounding.

**Sector data excludes electricity sales and energy losses attributed to electric generation.*

***Since 1978 the amount of coal consumed by the transportation sector has been negligible.*

Total consumption by fuels will not agree with Energy Supply and Disposition Balance (Table 32) due to data revisions.

p Preliminary r Revised.

Source: U.S. Department of Energy. Energy Information Administration. Monthly Energy Review.

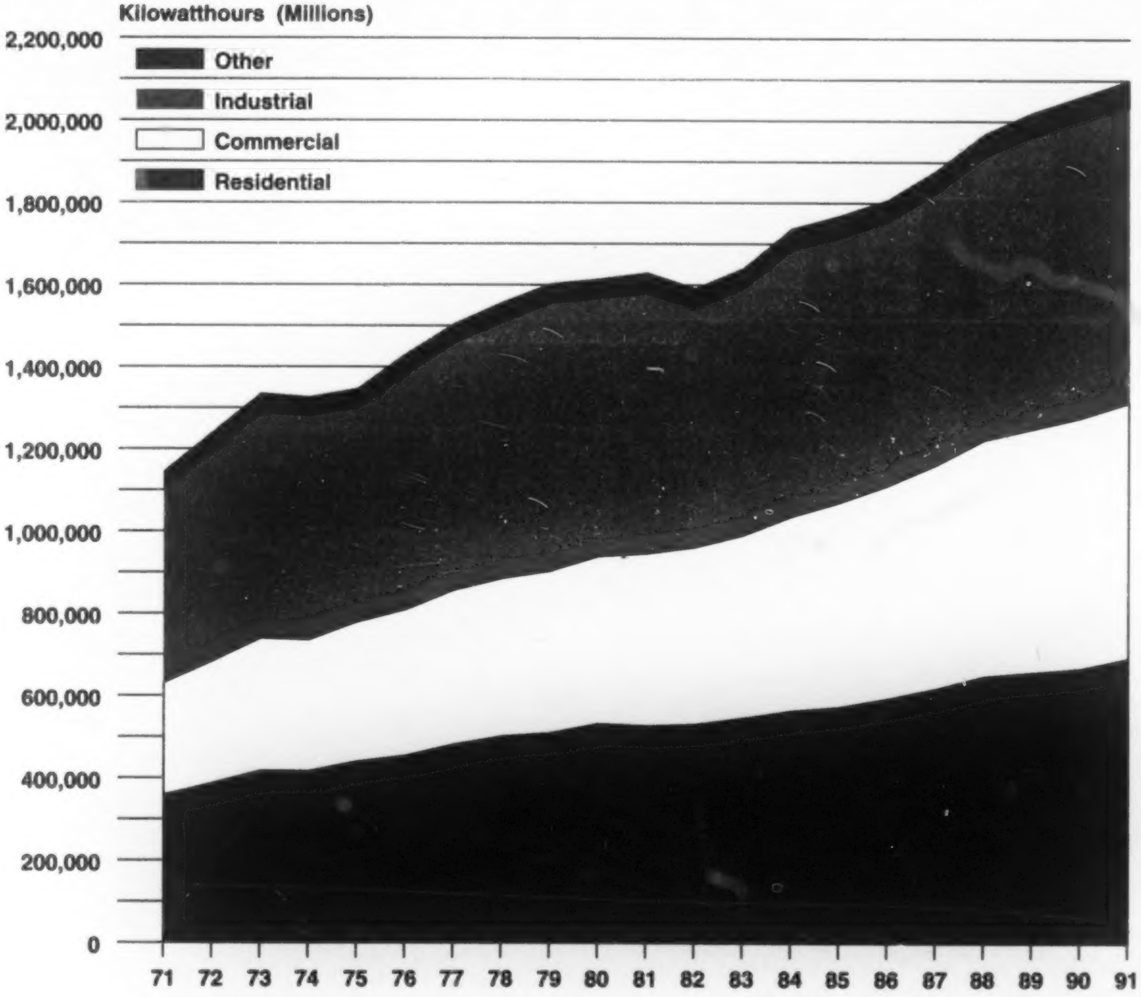
SECTION VI

ENERGY SALES

CHART VI-A

ENERGY SALES TO ULTIMATE CUSTOMERS

INVESTOR-OWNED ELECTRIC UTILITIES



Based on Table 39, page 43.

TABLE 38

ENERGY SALES — TOTAL ELECTRIC UTILITY INDUSTRY

BY YEAR AND CLASS OF SERVICE
KILOWATTHOURS IN MILLIONS

Year	Total Sales	Exports to Canada and Mexico	Total Sales to Ultimate Customers	Residential	Commercial*	Industrial*	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Interdepartmental
1991p	**2,740,951**	**8,540**	**2,732,411**	**948,677**	**754,884**	**929,153**	**15,276**	**76,573**	**5,250**	**2,598**
1990r	2,704,502	20,526	2,683,976	915,799	738,869	931,877	15,215	72,771	5,255	4,190
1989	2,636,138	15,135	2,621,003	898,802	715,915	912,772	14,570	69,334	5,294	4,316
1988	2,561,228	7,067	2,554,161	886,070	697,832	881,790	14,609	64,560	5,078	4,222
1987	2,441,364	5,881	2,435,483	846,457	658,445	843,709	14,386	63,047	4,898	4,541
1986	2,359,560	4,816	2,354,744	820,015	628,965	818,982	15,037	61,888	4,689	5,167
1985	2,310,847	4,965	2,305,882	792,875	605,865	820,301	14,644	62,165	4,704	5,328
1984	2,283,143	2,558	2,280,585	782,608	578,083	835,486	14,205	59,894	4,483	5,826
1983	2,163,124	3,337	2,159,787	750,293	545,601	782,984	13,944	57,267	4,300	5,398
1982	2,103,281	3,540	2,099,741	732,678	516,959	770,398	14,236	55,745	4,288	5,438
1981	2,152,506	1,832	2,150,674	730,479	521,698	819,641	14,683	53,737	4,206	6,230
1980	2,130,190	4,096	2,126,094	734,411	524,122	793,812	14,832	48,284	4,275	6,358
1979	2,086,582	2,182	2,084,400	695,996	494,723	817,617	14,792	49,604	4,256	7,412
1978	2,020,004	2,186	2,017,818	679,156	480,748	782,141	14,803	49,509	4,336	7,125
1977	1,953,535	2,744	1,950,791	652,345	469,227	757,168	14,418	46,242	4,212	7,179
1976	1,852,003	2,378	1,849,625	613,072	440,625	725,169	14,413	45,625	4,338	6,383
1975	1,738,107	5,083	1,733,024	586,149	418,069	661,558	13,907	43,625	4,273	5,443
1974	1,703,495	2,726	1,700,769	554,960	392,716	689,435	13,313	40,721	4,258	5,366
1973	1,705,773	2,570	1,703,203	554,171	396,903	687,235	12,836	42,340	4,186	5,532
1972	1,580,466	2,752	1,577,714	511,423	361,859	639,467	12,193	43,190	4,440	5,142
1971	1,469,955	3,514	1,466,441	479,080	333,752	592,700	11,673	39,819	4,537	4,880

Note: Total may not equal sum of components due to independent rounding.

** Commercial and Industrial are not wholly comparable on a year-to-year basis due to changes from one classification to another.*

p Preliminary. r Revised.

TABLE 39

ENERGY SALES — INVESTOR-OWNED ELECTRIC UTILITIES

BY YEAR AND CLASS OF SERVICE
KILOWATTHOURS IN MILLIONS

Year	Total Sales	Sales for Resale†	Total Sales to Ultimate Customers	Residential	Commercial*	Industrial*	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Interdepartmental
1991p	**2,232,884**	**133,316**	**2,099,568**	**692,268**	**623,026**	**715,168**	**10,504**	**54,860**	**2,549**	**1,194**
1990r	2,167,884	107,140	2,060,744	667,563	610,415	717,355	10,476	51,021	2,485	1,429
1989	2,129,953	108,601	2,021,352	657,956	593,020	707,108	10,441	48,433	2,482	1,913
1988	2,078,543	109,468	1,969,075	648,522	575,617	685,836	10,399	44,415	2,399	1,887
1987	1,986,233	106,675	1,879,558	618,496	544,616	658,417	10,395	43,195	2,239	2,200
1986	1,913,682	105,621	1,808,061	594,019	518,639	637,116	10,348	42,948	2,261	2,729
1985	1,871,702	102,773	1,768,929	573,253	498,320	638,513	10,339	43,565	2,252	2,687
1984	1,841,195	104,168	1,737,027	563,703	473,470	643,466	10,379	40,760	2,045	3,204
1983	1,749,915	109,540	1,640,375	546,080	445,300	597,405	10,445	36,396	1,929	2,820
1982	1,701,020	109,796	1,591,224	530,713	431,598	576,380	10,716	36,967	1,924	2,925
1981	1,745,234	116,248	1,628,986	527,119	420,014	628,481	10,918	37,623	1,939	2,892
1980	1,732,553	118,745	1,613,808	532,025	408,265	623,472	10,820	34,449	2,156	2,621
1979	1,719,640	117,408	1,602,232	509,655	394,511	648,031	10,854	34,165	2,103	2,913
1978	1,675,477	118,716	1,556,761	501,409	384,726	620,470	11,042	34,386	2,085	2,643
1977	1,619,820	115,409	1,504,411	481,167	375,903	598,042	10,912	33,208	2,450	2,729
1976	1,530,286	99,496	1,430,790	453,774	355,555	569,134	11,276	34,810	3,930	2,311
1975	1,447,147	101,273	1,345,874	439,496	340,082	515,798	10,868	33,528	4,158	1,944
1974	1,418,958	93,201	1,325,757	416,333	319,706	542,234	10,409	30,876	4,161	2,038
1973	1,417,386	82,990	1,334,396	416,851	323,018	545,912	10,034	32,452	4,086	2,043
1972	1,316,379	76,572	1,239,807	386,561	297,028	507,080	9,581	33,491	4,333	1,733
1971	1,215,614	70,009	1,145,605	358,564	272,703	468,512	9,206	30,618	4,424	1,578

Note: Total may not equal sum of components due to independent rounding.

† To non-investor-owned electric utilities and exports.

** Commercial and Industrial are not wholly comparable on a year-to-year basis due to changes from one classification to another.*

p Preliminary. r Revised.

TABLE 40

ENERGY SALES IN PERCENT OF TOTAL TOTAL ELECTRIC UTILITY INDUSTRY

BY YEAR AND CLASS OF SERVICE

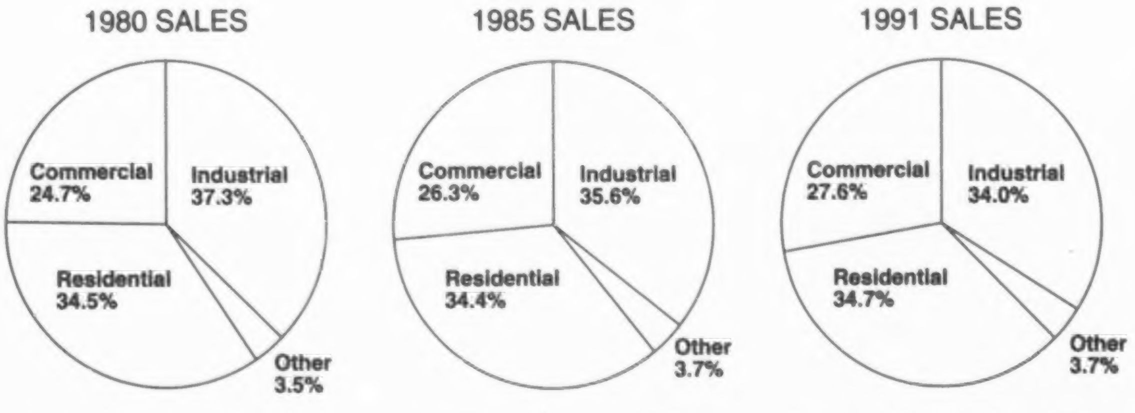
Year	Residential	Commercial	Industrial	Street & Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-depart-mental
1991p	**34.7%**	**27.6%**	**34.0%**	**0.6%**	**2.8%**	**0.2%**	**0.1%**
1990r	34.1	27.5	34.7	0.6	2.7	0.2	0.2
1989	34.3	27.3	34.8	0.6	2.6	0.2	0.2
1988	34.7	27.3	34.5	0.6	2.5	0.2	0.2
1987	34.8	27.0	34.6	0.6	2.6	0.2	0.2
1986	34.8	26.7	34.8	0.6	2.7	0.2	0.2
1985	34.4	26.3	35.6	0.6	2.7	0.2	0.2
1984	34.3	25.4	36.6	0.6	2.6	0.2	0.3
1983	34.7	25.3	36.3	0.6	2.7	0.2	0.2
1982	34.9	24.6	36.7	0.7	2.7	0.2	0.2
1981	34.0	24.2	38.1	0.7	2.5	0.2	0.3
1980	34.5	24.7	37.3	0.7	2.3	0.2	0.3
1979	33.4	23.7	39.2	0.7	2.4	0.2	0.4
1978	33.7	23.8	38.8	0.7	2.4	0.2	0.4
1977	33.4	24.1	38.8	0.7	2.4	0.2	0.4
1976	33.2	23.8	39.2	0.8	2.5	0.2	0.3
1975	33.8	24.1	38.2	0.8	2.5	0.3	0.3
1974	32.6	23.1	40.5	0.8	2.4	0.3	0.3
1973	32.5	23.3	40.4	0.8	2.5	0.2	0.3
1972	32.4	23.0	40.5	0.8	2.7	0.3	0.3
1971	32.7	22.8	40.4	0.8	2.7	0.3	0.3

Based on sales data in Table 38. p Preliminary. r Revised.

CHART VI-B

ENERGY SALES

TOTAL ELECTRIC UTILITY INDUSTRY
BY YEAR AND CLASS OF SERVICE
KILOWATTHOURS IN MILLIONS



Total Sales = 2,126,094 kWh **Total Sales = 2,305,882 kWh** **Total Sales = 2,732,411 kWh**

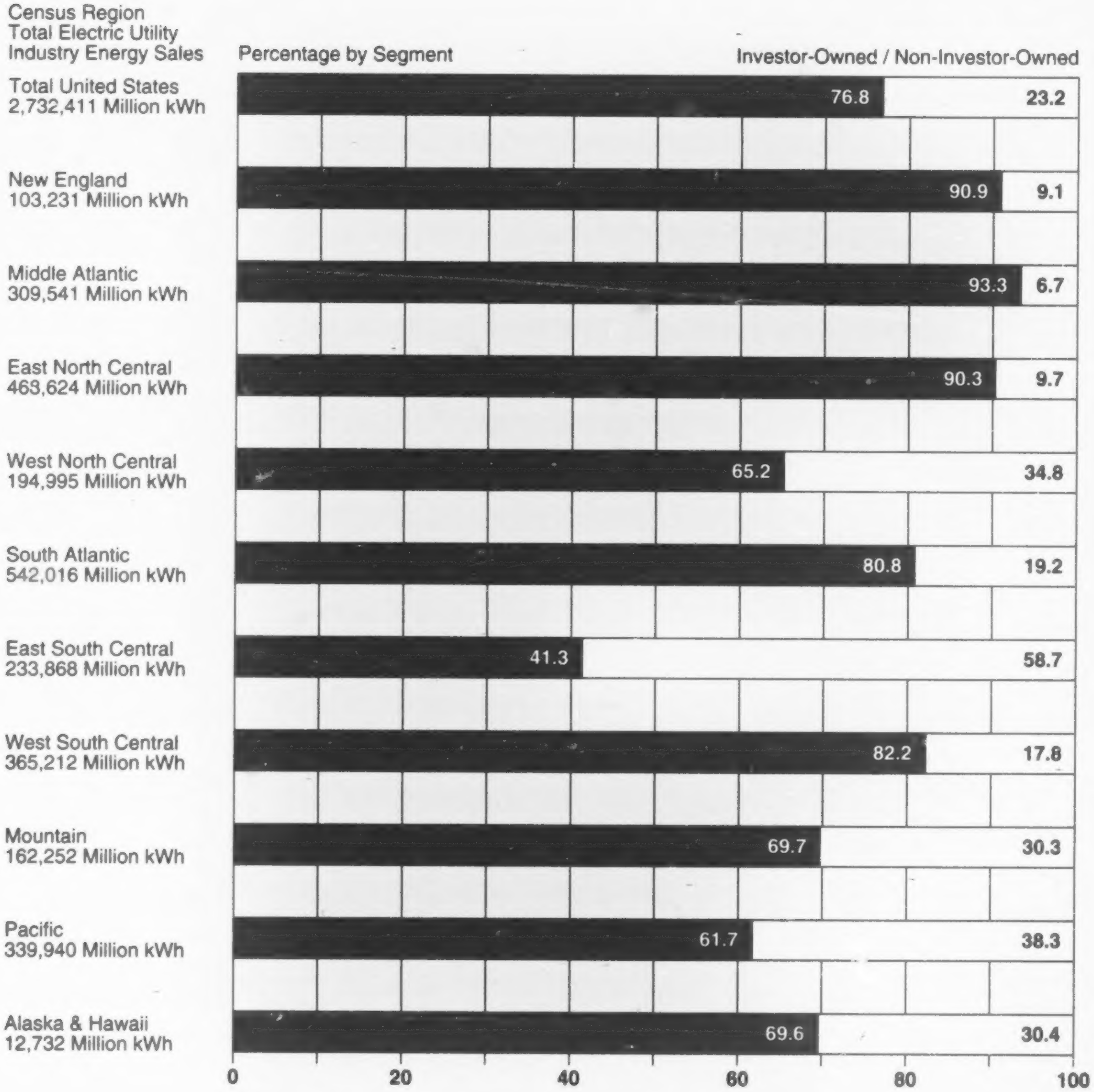
Based on Table 40, as shown above.

CHART VI-C

ENERGY SALES TO ULTIMATE CUSTOMERS

BY INVESTOR-OWNED AND NON-INVESTOR-OWNED ELECTRIC UTILITIES

1991p



p Preliminary.
Based on Table 41A, page 46 and Table 42A, page 48.

TABLE 41A

ENERGY SALES
TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND CLASS OF SERVICE
YEAR 1991p — KILOWATTHOURS IN MILLIONS

State/Division	Total to Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-depart-mental
Total United States	**2,732,411**	**948,677**	**754,884**	**929,153**	**15,276**	**76,573**	**5,250**	**2,598**
Maine	11,383	3,817	2,676	4,717	53	118	—	1
New Hampshire	8,640	3,419	2,030	3,080	38	72	—	—
Vermont	4,894	1,967	1,497	1,390	21	18	—	1
Massachusetts	44,761	15,361	18,458	9,847	370	578	149	—
Rhode Island	6,401	2,369	2,443	1,393	74	123	—	*
Connecticut	27,152	10,442	10,544	5,809	185	30	137	4
New England	**103,231**	**37,374**	**37,647**	**26,237**	**741**	**939**	**286**	**6**
New York	129,397	39,205	46,787	31,427	1,109	8,193	2,646	28
New Jersey	64,637	21,544	27,497	15,110	461	—	6	20
Pennsylvania	115,508	39,398	30,371	44,292	480	136	765	66
Middle Atlantic	**309,541**	**100,147**	**104,655**	**90,829**	**2,050**	**8,330**	**3,417**	**114**
Ohio	145,153	41,159	32,073	67,384	662	3,815	47	13
Indiana	71,361	24,126	16,102	30,506	335	241	12	38
Illinois	116,515	35,859	31,870	40,723	755	6,883	422	3
Michigan	84,632	26,823	21,377	35,040	627	720	—	46
Wisconsin	50,963	17,401	13,209	19,652	343	301	—	56
East North Central	**468,624**	**145,368**	**114,631**	**193,306**	**2,723**	**11,960**	**481**	**156**
Minnesota	49,167	16,274	8,482	23,751	187	460	—	13
Iowa	30,835	11,231	6,946	11,876	207	575	—	1
Missouri	54,434	22,945	19,220	11,285	268	698	8	11
North Dakota	7,144	3,081	1,958	1,636	99	369	—	1
South Dakota	6,685	3,030	1,524	1,740	82	310	—	*
Nebraska	18,302	7,129	5,857	4,492	145	630	—	50
Kansas	28,426	10,122	9,966	7,976	167	186	—	10
West North Central	**194,995**	**73,813**	**53,950**	**62,756**	**1,155**	**3,227**	**8**	**85**
Delaware	8,507	2,814	2,400	3,241	47	1	—	4
Maryland	51,118	20,339	10,574	19,509	365	17	232	82
District of Columbia	10,195	1,580	5,238	3,053	97	—	226	—
Virginia	75,672	29,942	21,178	16,401	308	7,843	—	—
West Virginia	23,613	8,095	5,209	10,218	72	20	—	—
North Carolina	90,553	34,474	24,562	29,739	406	1,365	—	7
South Carolina	56,892	18,726	12,178	25,264	118	594	—	12
Georgia	81,191	29,977	22,494	27,731	530	314	145	—
Florida	144,276	71,434	51,394	16,826	618	3,771	81	152
South Atlantic	**542,016**	**217,380**	**155,227**	**151,982**	**2,561**	**13,925**	**684**	**256**
Kentucky	62,655	18,367	9,556	22,174	246	12,276	—	36
Tennessee	76,965	30,026	6,533	39,821	410	57	—	118
Alabama	61,748	21,595	10,914	28,737	426	35	—	40
Mississippi	32,500	12,220	6,526	13,253	166	332	—	2
East South Central	**233,868**	**82,208**	**33,529**	**103,986**	**1,248**	**12,701**	**—**	**196**
Arkansas	28,217	10,978	6,515	10,201	120	403	—	—
Louisiana	64,189	21,107	13,137	27,389	297	1,849	—	411
Oklahoma	38,291	15,058	10,334	10,852	108	1,939	—	—
Texas	234,514	81,280	59,504	83,719	927	8,901	—	183
West South Central	**365,212**	**128,424**	**89,490**	**132,161**	**1,452**	**13,092**	**—**	**594**
Montana	13,052	3,386	2,972	6,498	62	116	—	18
Idaho	18,001	5,887	5,055	6,985	39	35	—	*
Wyoming	11,779	1,820	2,326	7,540	35	58	—	*
Colorado	30,634	10,035	14,041	6,088	211	259	—	—
New Mexico	13,881	3,647	4,869	4,491	78	774	—	22
Arizona	41,820	15,600	14,418	10,373	292	984	28	124
Utah	16,562	4,448	5,003	6,386	53	673	—	1
Nevada	16,522	5,766	4,065	6,125	102	464	—	—
Mountain	**162,252**	**50,588**	**52,750**	**54,486**	**872**	**3,363**	**28**	**165**
Washington	87,963	28,056	18,503	38,450	780	2,103	23	48
Oregon	42,418	15,251	11,911	14,925	150	120	—	62
California	209,560	66,114	78,300	55,736	1,406	6,767	323	914
Pacific	**339,940**	**109,421**	**108,714**	**109,111**	**2,337**	**8,989**	**346**	**1,024**
Alaska	4,208	1,562	1,993	521	82	47	—	3
Hawaii	8,524	2,390	2,298	3,778	58	—	—	—
Alaska & Hawaii	**12,732**	**3,953**	**4,291**	**4,299**	**139**	**47**	**—**	**3**

Note: Total may not equal sum of components due to independent rounding.
p Preliminary.
**Less than five hundred thousand kilowatthours.*

TABLE 41B

ENERGY SALES
TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND CLASS OF SERVICE
YEAR 1990r — KILOWATTHOURS IN MILLIONS

State/Division	Total to Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
Total United States	**2,683,976**	**915,799**	**738,869**	**931,877**	**15,215**	**72,771**	**5,255**	**4,190**
Maine	11,523	3,928	2,672	4,750	55	117	—	1
New Hampshire	8,648	3,449	2,003	3,089	38	68	—	—
Vermont	4,946	2,021	1,493	1,387	21	24	—	*
Massachusetts	45,535	15,599	18,576	10,245	383	590	143	—
Rhode Island	6,419	2,376	2,455	1,391	76	120	—	*
Connecticut	27,157	10,381	10,344	6,071	189	29	137	5
New England	**104,227**	**37,754**	**37,544**	**26,933**	**761**	**948**	**281**	**6**
New York	129,346	38,614	46,857	31,981	1,110	8,027	2,723	35
New Jersey	62,856	20,498	26,717	15,161	456	—	5	20
Pennsylvania	114,769	38,183	29,131	46,021	501	115	744	76
Middle Atlantic	**306,971**	**97,294**	**102,704**	**93,162**	**2,066**	**8,142**	**3,472**	**131**
Ohio	141,897	37,918	30,309	69,330	661	3,622	45	13
Indiana	68,481	21,887	15,275	30,686	338	243	12	39
Illinois	111,178	32,608	30,555	40,261	750	6,594	408	3
Michigan	82,362	25,340	20,645	35,005	620	704	—	48
Wisconsin	49,039	16,352	12,605	19,381	350	293	—	56
East North Central	**452,957**	**134,105**	**109,390**	**194,663**	**2,718**	**11,457**	**465**	**159**
Minnesota	47,224	14,959	8,146	23,464	184	460	—	11
Iowa	29,435	10,506	6,562	11,594	209	564	—	1
Missouri	51,958	21,202	18,472	11,353	267	647	7	10
North Dakota	6,885	2,939	1,904	1,548	97	394	—	3
South Dakota	6,323	2,853	1,527	1,607	77	259	—	*
Nebraska	17,667	6,741	5,601	4,543	143	597	—	42
Kansas	27,279	9,587	9,535	7,817	167	173	—	1
West North Central	**186,771**	**68,787**	**51,747**	**61,925**	**1,144**	**3,094**	**7**	**67**
Delaware	8,279	2,650	2,299	3,280	46	1	—	4
Maryland	49,530	19,099	10,375	19,389	350	13	216	88
District of Columbia	9,848	1,480	5,073	2,976	97	—	221	—
Virginia	72,535	28,122	20,301	16,252	303	7,556	—	—
West Virginia	23,110	7,563	4,979	10,476	71	19	—	—
North Carolina	88,198	33,175	23,667	29,610	397	1,341	—	6
South Carolina	55,683	18,313	11,771	24,880	118	588	—	13
Georgia	80,525	30,043	22,144	27,356	523	311	149	—
Florida	141,523	69,752	50,268	17,053	600	3,629	82	139
South Atlantic	**529,232**	**210,198**	**150,878**	**151,275**	**2,504**	**13,458**	**669**	**250**
Kentucky	61,192	16,895	9,094	22,989	243	11,932	—	40
Tennessee	75,504	28,964	6,277	39,712	399	55	—	96
Alabama	61,235	21,172	10,535	29,016	433	38	—	41
Mississippi	31,968	12,168	6,457	12,850	164	326	—	3
East South Central	**229,899**	**79,199**	**32,363**	**104,567**	**1,239**	**12,351**	**—**	**180**
Arkansas	27,515	10,652	6,281	10,069	116	397	—	—
Louisiana	63,328	21,037	13,014	26,607	295	1,753	—	622
Oklahoma	37,714	14,713	10,270	10,728	104	1,899	—	—
Texas	232,235	79,958	61,082	83,488	938	6,600	—	169
West South Central	**360,792**	**126,360**	**90,646**	**130,892**	**1,454**	**10,649**	**—**	**791**
Montana	12,872	3,339	2,881	6,416	55	162	—	19
Idaho	17,952	5,577	5,126	7,172	41	36	—	*
Wyoming	11,927	1,758	2,262	7,814	35	59	—	*
Colorado	30,277	9,783	13,836	6,116	207	335	—	—
New Mexico	13,859	3,572	5,094	4,328	77	760	—	28
Arizona	41,728	15,368	14,244	10,224	291	1,317	26	259
Utah	15,973	4,249	4,759	6,244	51	670	—	1
Nevada	16,239	5,524	3,957	6,202	92	463	—	—
Mountain	**160,829**	**49,171**	**52,159**	**54,516**	**850**	**3,801**	**26**	**307**
Washington	86,371	27,433	17,813	38,272	827	1,958	21	46
Oregon	41,835	14,792	11,614	15,103	141	118	—	66
California	211,637	66,759	77,854	56,374	1,390	6,761	315	2,183
Pacific	**339,843**	**108,984**	**107,281**	**109,750**	**2,359**	**8,837**	**336**	**2,295**
Alaska	4,143	1,627	1,963	456	60	34	—	3
Hawaii	8,311	2,321	2,194	3,737	58	—	—	—
Alaska & Hawaii	**12,454**	**3,948**	**4,158**	**4,193**	**118**	**34**	**—**	**3**

Note: Total may not equal sum of components due to independent rounding.
r Revised.
**Less than five hundred thousand kilowatthours.*

TABLE 42A

ENERGY SALES
INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND CLASS OF SERVICE
YEAR 1991p — KILOWATTHOURS IN MILLIONS

State/Division	Total to Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
Total United States	**2,099,568**	**692,268**	**623,026**	**715,168**	**10,504**	**54,860**	**2,549**	**1,194**
Maine	11,073	3,673	2,623	4,613	50	114	—	—
New Hampshire	7,924	3,001	1,822	2,993	36	72	—	—
Vermont	4,030	1,555	1,389	1,064	15	7	—	—
Massachusetts	38,869	13,211	17,213	7,640	314	343	149	—
Rhode Island	6,370	2,348	2,439	1,386	73	123	—	—
Connecticut	25,599	10,020	10,185	5,081	176	—	137	—
New England	**93,865**	**33,808**	**35,670**	**22,778**	**665**	**658**	**286**	**—**
New York	112,602	37,638	46,079	25,221	595	2,994	47	28
New Jersey	63,722	21,134	27,347	14,769	447	—	6	20
Pennsylvania	112,602	37,498	29,804	43,875	468	126	765	66
Middle Atlantic	**288,925**	**96,270**	**103,230**	**83,864**	**1,509**	**3,121**	**817**	**114**
Ohio	134,307	35,691	30,082	64,184	631	3,659	47	12
Indiana	60,205	17,866	14,377	27,480	265	167	12	38
Illinois	108,975	31,877	29,775	39,505	741	6,652	422	3
Michigan	76,585	23,943	18,766	32,794	432	606	—	45
Wisconsin	43,094	13,854	12,194	16,493	309	208	—	35
East North Central	**423,166**	**123,231**	**105,194**	**180,455**	**2,378**	**11,292**	**481**	**133**
Minnesota	34,864	8,118	5,119	21,215	154	244	—	13
Iowa	23,760	7,273	5,951	10,002	161	372	—	*
Missouri	40,374	15,057	15,554	9,192	214	355	—	2
North Dakota	3,958	1,611	1,111	1,117	48	70	—	1
South Dakota	3,670	1,292	969	1,355	28	27	—	*
Nebraska	—	—	—	—	—	—	—	—
Kansas	20,429	7,084	7,166	6,018	138	22	—	1
West North Central	**127,055**	**40,436**	**35,869**	**48,900**	**743**	**1,090**	**—**	**17**
Delaware	6,918	2,042	2,076	2,765	32	—	—	3
Maryland	48,088	18,552	9,860	19,117	245	—	232	82
District of Columbia	10,195	1,580	5,238	3,053	97	—	226	—
Virginia	66,940	25,203	19,822	13,918	279	7,718	—	—
West Virginia	23,515	8,036	5,187	10,203	71	19	—	—
North Carolina	70,796	23,540	19,727	26,166	257	1,101	—	6
South Carolina	39,248	11,248	9,068	18,321	96	504	—	12
Georgia	57,481	16,010	17,812	23,124	301	90	145	—
Florida	114,817	56,403	42,054	12,257	429	3,442	81	152
South Atlantic	**437,999**	**162,614**	**130,843**	**128,924**	**1,806**	**12,873**	**684**	**255**
Kentucky	39,871	10,322	7,404	9,749	146	12,248	—	1
Tennessee	1,680	587	301	753	5	33	—	—
Alabama	38,537	12,325	8,523	17,512	172	—	—	3
Mississippi	16,437	5,571	4,575	5,880	102	306	—	2
East South Central	**96,525**	**28,805**	**20,807**	**33,894**	**426**	**12,587**	**—**	**6**
Arkansas	19,273	6,620	4,906	7,296	96	355	—	—
Louisiana	56,442	16,360	11,805	25,810	291	1,771	—	405
Oklahoma	30,307	10,541	8,287	9,488	103	1,889	—	—
Texas	194,343	62,314	48,654	75,877	772	6,726	—	1
West South Central	**300,365**	**95,834**	**73,651**	**118,472**	**1,261**	**10,741**	**—**	**405**
Montana	8,141	2,260	2,366	3,379	51	67	—	18
Idaho	15,838	4,937	4,390	6,484	25	2	—	*
Wyoming	8,863	1,078	1,243	6,514	19	9	—	*
Colorado	19,975	5,916	10,523	3,310	149	76	—	—
New Mexico	10,205	2,729	3,312	3,482	67	596	—	19
Arizona	22,510	8,296	8,153	5,773	97	191	—	—
Utah	12,839	3,358	3,435	5,469	44	532	—	*
Nevada	14,753	5,459	3,731	5,023	101	439	—	—
Mountain	**113,123**	**34,033**	**37,153**	**39,434**	**553**	**1,913**	**—**	**38**
Washington	26,045	12,202	8,561	5,176	91	*	—	15
Oregon	28,549	11,291	9,154	7,914	134	*	—	57
California	155,089	51,201	60,529	41,467	878	579	280	154
Pacific	**209,683**	**74,693**	**78,245**	**54,557**	**1,104**	**579**	**280**	**226**
Alaska	337	154	64	112	2	5	—	—
Hawaii	8,524	2,390	2,298	3,778	58	—	—	—
Alaska & Hawaii	**8,861**	**2,544**	**2,362**	**3,890**	**59**	**5**	**—**	**—**

Note: Total may not equal sum of components due to independent rounding.
p Preliminary.
**Less than five hundred thousand kilowatthours.*

TABLE 42B

ENERGY SALES
INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND CLASS OF SERVICE
YEAR 1990r — KILOWATTHOURS IN MILLIONS

State/Division	Total to Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-depart-mental
Total United States	**2,060,744**	**667,563**	**610,415**	**717,355**	**10,476**	**51,021**	**2,485**	**1,429**
Maine	11,220	3,783	2,620	4,654	52	112	—	—
New Hampshire	7,918	3,015	1,791	3,009	36	68	—	—
Vermont	4,030	1,589	1,375	1,044	15	7	—	—
Massachusetts	39,505	13,410	17,298	7,981	324	349	143	—
Rhode Island	6,387	2,357	2,451	1,384	76	120	—	—
Connecticut	25,598	9,954	9,977	5,350	180	—	137	—
New England	**94,658**	**34,108**	**35,511**	**23,421**	**682**	**656**	**281**	**—**
New York	112,591	37,072	46,202	25,694	595	2,947	47	35
New Jersey	61,964	20,108	26,569	14,821	441	—	5	20
Pennsylvania	111,926	36,340	28,586	45,586	489	105	744	76
Middle Atlantic	**286,482**	**93,519**	**101,357**	**86,101**	**1,526**	**3,052**	**796**	**131**
Ohio	131,502	32,880	28,426	66,033	633	3,471	45	13
Indiana	57,961	16,189	13,647	27,646	265	164	12	39
Illinois	104,134	29,001	28,568	39,049	736	6,370	408	3
Michigan	74,492	22,594	18,122	32,712	425	595	—	44
Wisconsin	41,482	13,017	11,635	16,278	318	200	—	35
East North Central	**409,573**	**113,681**	**100,398**	**181,718**	**2,378**	**10,800**	**465**	**133**
Minnesota	34,054	7,708	4,980	20,959	153	243	—	11
Iowa	22,707	6,804	5,618	9,758	165	362	—	1
Missouri	38,677	13,897	14,962	9,262	215	338	—	2
North Dakota	3,789	1,537	1,080	1,057	48	65	—	3
South Dakota	3,488	1,217	969	1,249	28	26	—	*
Nebraska	—	—	—	—	—	—	—	—
Kansas	19,574	6,703	6,879	5,832	139	21	—	1
West North Central	**122,289**	**37,865**	**34,489**	**48,116**	**748**	**1,054**	**—**	**17**
Delaware	6,744	1,923	1,989	2,798	31	—	—	3
Maryland	46,628	17,422	9,674	18,994	235	—	216	88
District of Columbia	9,848	1,480	5,073	2,976	97	—	221	—
Virginia	64,147	23,642	18,998	13,797	275	7,434	—	—
West Virginia	23,017	7,508	4,958	10,463	70	18	—	—
North Carolina	68,938	22,615	18,991	25,992	252	1,082	—	7
South Carolina	38,391	11,009	8,866	17,910	96	498	—	13
Georgia	56,778	15,955	17,520	22,771	295	88	149	—
Florida	112,469	54,899	41,047	12,578	415	3,308	82	139
South Atlantic	**426,960**	**156,452**	**127,115**	**128,280**	**1,766**	**12,429**	**669**	**250**
Kentucky	38,219	9,303	7,019	9,846	145	11,905	—	1
Tennessee	1,580	548	285	711	5	31	—	—
Alabama	38,082	11,997	8,202	17,713	167	—	—	3
Mississippi	16,306	5,506	4,520	5,875	102	299	—	3
East South Central	**94,187**	**27,354**	**20,026**	**34,145**	**420**	**12,235**	**—**	**7**
Arkansas	18,794	6,423	4,728	7,200	94	350	—	—
Louisiana	55,633	16,306	11,689	25,062	289	1,673	—	613
Oklahoma	29,849	10,299	8,229	9,372	99	1,850	—	—
Texas	192,641	61,342	50,201	75,794	796	4,507	—	1
West South Central	**296,917**	**94,370**	**74,847**	**117,428**	**1,278**	**8,380**	**—**	**614**
Montana	7,982	2,227	2,291	3,329	45	74	—	15
Idaho	15,811	4,677	4,451	6,655	26	2	—	*
Wyoming	9,024	1,041	1,209	6,747	19	8	—	*
Colorado	19,745	5,770	10,378	3,370	146	81	—	—
New Mexico	9,946	2,657	3,264	3,354	67	578	—	25
Arizona	22,066	8,181	7,993	5,610	95	187	—	—
Utah	12,398	3,207	3,269	5,352	43	527	—	*
Nevada	14,314	5,229	3,632	4,922	91	441	—	—
Mountain	**111,286**	**32,990**	**36,485**	**39,339**	**533**	**1,898**	**—**	**42**
Washington	25,527	12,198	8,127	5,098	90	*	—	14
Oregon	27,995	10,962	8,879	7,967	126	*	—	61
California	156,231	51,594	60,924	41,895	870	514	274	161
Pacific	**209,754**	**74,754**	**77,930**	**54,960**	**1,086**	**514**	**274**	**236**
Alaska	327	150	62	108	2	5	—	—
Hawaii	8,311	2,321	2,194	3,737	58	—	—	—
Alaska & Hawaii	**8,638**	**2,471**	**2,257**	**3,845**	**60**	**5**	**—**	**—**

Note: Total may not equal sum of components due to independent rounding.
r Revised.
**Less than five hundred thousand kilowatthours.*

TABLE 43

ENERGY SALES
TOTAL ELECTRIC UTILITY INDUSTRY

BY QUARTER AND CLASS OF SERVICE
1986 - 1991 — KILOWATTHOURS IN MILLIONS

Year — Quarter	Total to Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-depart-mental
YEAR — 1991p								
First Quarter	666,194	243,613	177,091	221,395	3,995	18,193	1,376	531
Second Quarter	652,894	211,986	184,485	231,608	3,593	19,292	1,289	642
Third Quarter	753,070	272,162	211,186	244,099	3,543	20,137	1,272	672
Fourth Quarter	660,253	220,915	182,122	232,051	4,146	18,951	1,313	753
Total	**2,732,411**	**948,677**	**754,884**	**929,153**	**15,276**	**76,573**	**5,250**	**2,598**
YEAR — 1990r								
First Quarter	660,238	238,060	174,233	223,131	3,980	18,393	1,372	1,067
Second Quarter	634,028	200,238	177,382	232,597	3,466	17,982	1,260	1,103
Third Quarter	741,322	264,666	208,253	243,921	3,659	18,508	1,283	1,032
Fourth Quarter	648,388	212,835	179,000	232,227	4,110	17,888	1,340	987
Total	**2,683,976**	**915,799**	**738,869**	**931,877**	**15,215**	**72,771**	**5,255**	**4,190**
YEAR — 1989								
First Quarter	651,338	238,889	169,939	219,864	3,734	16,512	1,385	1,015
Second Quarter	618,719	195,750	172,352	228,485	3,349	16,439	1,251	1,092
Third Quarter	708,356	249,242	198,672	236,177	3,547	18,219	1,291	1,208
Fourth Quarter	642,590	214,921	174,952	228,245	3,939	18,164	1,368	1,001
Total	**2,621,003**	**898,802**	**715,915**	**912,772**	**14,570**	**69,334**	**5,294**	**4,316**
YEAR — 1988								
First Quarter	639,556	239,079	166,908	211,725	3,730	15,877	1,328	910
Second Quarter	590,981	186,056	165,021	218,766	3,462	15,475	1,202	998
Third Quarter	707,865	256,882	198,132	229,886	3,516	17,069	1,262	1,118
Fourth Quarter	615,760	204,053	167,771	221,413	3,901	16,139	1,286	1,196
Total	**2,554,161**	**886,070**	**697,832**	**881,790**	**14,609**	**64,560**	**5,078**	**4,222**
YEAR — 1987								
First Quarter	596,074	222,024	154,347	198,342	3,736	15,174	1,317	1,132
Second Quarter	577,204	186,784	158,928	210,166	3,462	15,473	1,156	1,235
Third Quarter	674,355	243,735	186,437	221,563	3,427	16,885	1,185	1,124
Fourth Quarter	587,849	193,914	158,733	213,638	3,760	15,515	1,240	1,048
Total	**2,435,483**	**846,457**	**658,445**	**843,709**	**14,386**	**63,047**	**4,898**	**4,541**
YEAR — 1986								
First Quarter	589,664	219,324	149,107	199,433	3,887	15,378	1,255	1,280
Second Quarter	550,583	175,028	150,349	204,504	3,468	14,940	1,101	1,193
Third Quarter	638,346	229,897	175,803	210,250	3,639	16,228	1,129	1,399
Fourth Quarter	576,151	195,766	153,706	204,795	4,043	15,341	1,205	1,294
Total	**2,354,744**	**820,015**	**628,965**	**818,982**	**15,037**	**61,888**	**4,689**	**5,167**

Note: Total may not equal sum of components due to independent rounding.
p Preliminary. r Revised.

TABLE 44

ENERGY SALES
INVESTOR-OWNED ELECTRIC UTILITIES

BY QUARTER AND CLASS OF SERVICE
1986 - 1991 — KILOWATTHOURS IN MILLIONS

Year — Quarter	Total to Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-depart-mental
YEAR — 1991p								
First Quarter	508,979	176,539	146,029	169,949	2,745	12,859	658	201
Second Quarter ...	504,412	155,997	152,291	178,712	2,449	14,036	634	293
Third Quarter	577,841	198,025	174,418	187,515	2,482	14,469	628	304
Fourth Quarter	508,336	161,707	150,288	178,991	2,829	13,496	628	396
Total..........	**2,099,568**	**692,268**	**623,026**	**715,168**	**10,504**	**54,860**	**2,549**	**1,194**
YEAR — 1990r								
First Quarter	505,562	173,077	144,036	171,660	2,728	13,005	629	427
Second Quarter ...	488,630	146,444	146,616	179,305	2,462	12,779	608	417
Third Quarter	567,537	191,938	171,997	187,352	2,475	12,874	621	282
Fourth Quarter	499,014	156,105	147,766	179,038	2,812	12,363	628	303
Total..........	**2,060,744**	**667,563**	**610,415**	**717,355**	**10,476**	**51,021**	**2,485**	**1,429**
YEAR — 1989								
First Quarter	500,975	174,022	140,844	170,949	2,732	11,360	627	441
Second Quarter ...	478,339	143,649	142,823	176,982	2,421	11,367	579	517
Third Quarter	545,558	181,940	164,699	182,425	2,482	12,818	625	569
Fourth Quarter	496,480	158,345	144,653	176,752	2,806	12,888	651	386
Total..........	**2,021,352**	**657,956**	**593,020**	**707,108**	**10,441**	**48,433**	**2,482**	**1,913**
YEAR — 1988								
First Quarter	490,791	173,877	137,619	164,673	2,728	10,930	604	360
Second Quarter ...	457,139	136,678	136,077	170,380	2,423	10,595	572	414
Third Quarter	545,694	187,959	163,804	178,470	2,474	11,861	624	502
Fourth Quarter	475,451	150,008	138,117	172,313	2,774	11,029	599	611
Total..........	**1,969,075**	**648,522**	**575,617**	**685,836**	**10,399**	**44,415**	**2,399**	**1,887**
YEAR — 1987								
First Quarter	458,492	161,532	127,538	155,143	2,757	10,346	582	595
Second Quarter ...	446,568	136,661	131,473	164,351	2,399	10,523	539	621
Third Quarter	520,148	177,744	154,383	172,644	2,463	11,831	555	528
Fourth Quarter	454,350	142,560	131,221	166,279	2,776	10,495	563	456
Total..........	**1,879,558**	**618,496**	**544,616**	**658,417**	**10,395**	**43,195**	**2,239**	**2,200**
YEAR — 1986								
First Quarter	451,114	158,240	122,675	155,507	2,768	10,634	592	699
Second Quarter ...	424,612	127,239	124,271	159,089	2,356	10,490	544	624
Third Quarter	488,815	165,646	145,051	162,995	2,494	11,330	551	749
Fourth Quarter	443,519	142,894	126,642	159,526	2,729	10,495	575	657
Total..........	**1,808,061**	**594,019**	**518,639**	**637,116**	**10,348**	**42,948**	**2,261**	**2,729**

Note: Total may not equal sum of components due to independent rounding.
p Preliminary. r Revised.

TABLE 45

AVERAGE ANNUAL KWH USE PER CUSTOMER

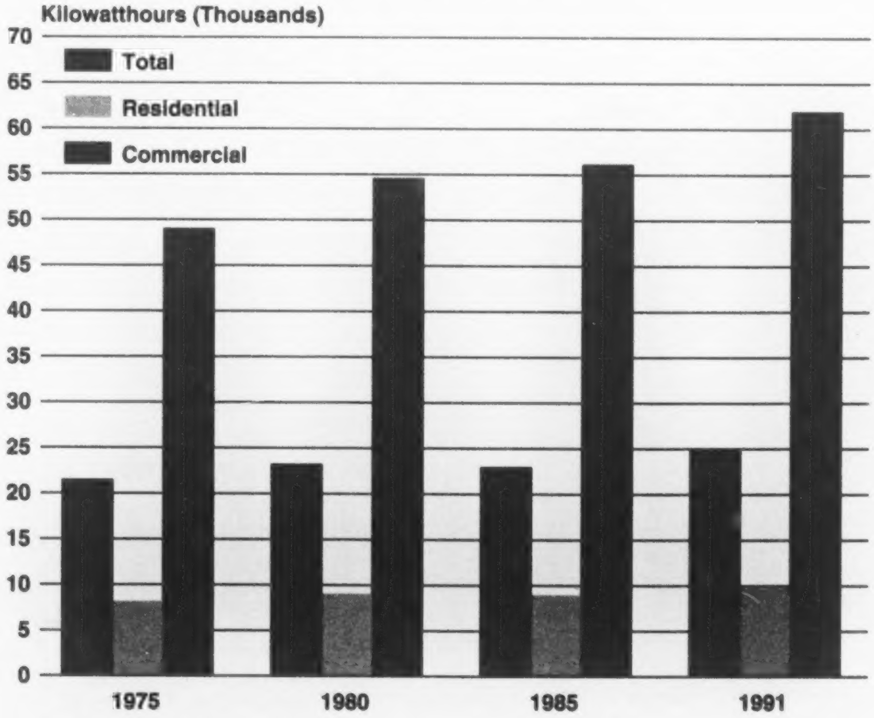
TOTAL ELECTRIC UTILITY INDUSTRY					INVESTOR-OWNED ELECTRIC UTILITIES				
Year	Total Ultimate Customers	Residential	Commercial	Industrial	Year	Total Ultimate Customers	Residential	Commercial	Industrial
1991p	**24,709**	**9,738**	**61,874**	**1,774,171**	**1991p**	**24,801**	**9,281**	**66,590**	**1,808,682**
1990r	24,551	9,508	61,277	1,793,467	1990r	24,627	9,056	65,796	1,827,987
1989	24,359	9,470	60,576	1,793,286	1989	24,543	9,063	65,212	1,868,875
1988	24,167	9,498	60,437	1,784,084	1988	24,325	9,082	64,748	1,862,303
1987	23,472	9,236	58,409	1,719,914	1987	23,653	8,816	62,801	1,813,586
1986	23,071	9,090	57,161	1,625,242	1986	23,201	8,627	61,462	1,726,461
1985	22,903	8,906	56,109	1,598,675	1985	23,149	8,487	60,517	1,699,809
1984	23,152	8,978	55,205	1,661,280	1984	23,173	8,500	59,270	1,622,100
1983	22,479	8,814	53,822	1,567,077	1983	22,293	8,379	57,003	1,534,956
1982	22,197	8,743	52,260	1,431,408	1982	21,940	8,261	56,379	1,512,487
1981	23,026	8,825	53,402	1,669,211	1981	22,753	8,311	55,742	N/A
1980	23,167	9,025	54,538	N/A	1980	22,949	8,539	55,210	N/A
1979	23,481	8,843	53,197	N/A	1979	23,287	8,360	54,594	N/A
1978	23,315	8,849	53,085	N/A	1978	23,197	8,430	54,653	N/A
1977	23,052	8,693	52,892	N/A	1977	22,938	8,279	54,520	N/A
1976	22,361	8,360	50,733	N/A	1976	22,263	7,969	52,560	N/A
1975	21,417	8,176	48,964	N/A	1975	21,305	7,855	50,966	N/A
1974	21,448	7,907	46,557	N/A	1974	21,343	7,574	48,426	N/A
1973	21,955	8,079	47,580	N/A	1973	21,989	7,769	49,550	N/A
1972	20,964	7,691	44,496	N/A	1972	21,002	7,413	46,565	N/A
1971	19,956	7,380	41,943	N/A	1971	19,917	7,062	43,596	N/A

Based on sales data in Tables 38 and 39, and average number of customers per year. p Preliminary. r Revised.
N/A Not Available.

CHART VI-D

AVERAGE KILOWATTHOURS USED

TOTAL ELECTRIC UTILITY INDUSTRY



Based on Table 45, as shown above.

SECTION VII

CUSTOMERS

TABLE 47

ULTIMATE CUSTOMERS TOTAL ELECTRIC UTILITY INDUSTRY

BY YEAR AND CLASS OF SERVICE AT DECEMBER 31st

Year	Total Ultimate Customers	Residential	Commercial*	Industrial*	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
1991p	**111,146,829**	**97,933,812**	**12,254,700**	**513,273**	**207,740**	**234,882**	**29**	**2,393**
1990r	110,102,079	97,033,887	12,135,373	508,145	199,444	222,898	29	2,303
1989	108,468,242	95,616,026	11,976,449	506,597	176,215	190,954	28	1,973
1988	106,411,256	93,921,875	11,637,444	491,292	169,792	188,954	28	1,871
1987	104,624,233	92,399,323	11,386,008	487,572	165,188	184,369	27	1,746
1986	102,952,793	90,994,586	11,114,300	498,254	161,377	182,257	28	1,991
1985	101,579,271	89,819,726	10,920,861	499,728	158,307	178,759	28	1,862
1984	99,371,026	87,938,995	10,565,239	525,692	139,703	199,393	29	1,975
1983	96,985,531	85,842,195	10,266,449	500,215	153,659	219,879	31	3,103
1982	95,250,268	84,371,779	9,976,274	533,635	148,678	216,975	31	2,896
1981	94,011,299	83,304,355	9,847,260	516,996	141,051	197,187	31	4,419
1980	92,653,471	82,153,162	9,698,809	484,652	142,724	168,120	30	5,974
1979	89,771,985	79,620,180	9,386,572	477,874	124,228	158,098	30	5,003
1978	87,667,954	77,775,667	9,148,399	464,637	121,899	152,439	30	4,883
1977	85,590,212	75,923,145	8,943,732	448,009	120,594	149,934	28	4,770
1976	83,613,161	74,161,846	8,750,949	427,403	119,130	148,867	28	4,938
1975	81,844,890	72,570,187	8,591,108	414,665	116,555	147,387	29	4,959
1974	80,102,390	70,949,607	8,472,817	422,736	112,477	139,480	29	5,244
1973	78,461,251	69,438,429	8,361,847	413,383	108,787	133,619	46	5,140
1972	76,150,204	67,314,000	8,200,033	369,952	103,874	157,461	50	4,834
1971	74,265,071	65,650,046	8,002,572	355,967	96,252	155,414	48	4,772

**Commercial and Industrial are not wholly comparable on a year-to-year basis due to changes from one classification to another.*

p Preliminary. r Revised.

TABLE 48

ULTIMATE CUSTOMERS INVESTOR-OWNED ELECTRIC UTILITIES

BY YEAR AND CLASS OF SERVICE AT DECEMBER 31st

Year	Total Ultimate Customers	Residential	Commercial*	Industrial*	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
1991p	**85,139,884**	**75,039,775**	**9,395,203**	**386,342**	**147,288**	**170,789**	**23**	**464**
1990r	84,240,074	74,223,521	9,332,439	383,418	140,521	159,689	23	463
1989	83,029,027	73,177,333	9,181,076	376,790	137,579	155,770	22	457
1988	81,673,876	72,036,602	8,985,299	367,854	131,711	151,898	22	490
1987	80,232,499	70,826,711	8,768,207	360,468	127,644	149,022	21	426
1986	78,717,500	69,548,070	8,535,188	364,294	123,525	145,957	22	444
1985	77,203,821	68,234,704	8,340,862	363,757	121,395	142,621	22	460
1984	75,709,055	66,987,481	8,066,025	396,304	117,874	140,907	23	441
1983	74,247,765	65,718,130	7,886,857	387,875	115,170	139,233	23	477
1982	72,979,298	64,648,932	7,702,142	378,016	113,251	136,484	23	450
1981	72,037,264	63,820,699	7,579,344	389,646	112,061	135,049	23	442
1980	70,996.563	62,902,588	7,459,959	375,540	123,589	134,595	23	269
1979	69,581,540	61,676,402	7,290,125	372,407	108,149	134,171	23	263
1978	67,922,975	60,216,110	7,106,705	364,123	106,286	129,496	23	232
1977	66,294,706	58,770,646	6,942,201	349,563	105,442	126,611	21	222
1976	64,896,400	57,530,599	6,805,345	329,522	103,754	126,674	22	484
1975	63,650.468	56,409,122	6,690,374	322,429	101,937	126,100	23	483
1974	62,667,061	55,499,145	6,624,061	326,409	97,438	119,531	23	454
1973	61,435,986	54,370,297	6,531,953	324,236	94,682	114,315	24	479
1972	59,804,431	52,868,920	6,422,032	284,733	90,206	138,052	25	463
1971	58,204,164	51,415,155	6,294,907	274,329	86,714	132,573	25	461

**Commercial and Industrial are not wholly comparable on a year-to-year basis due to changes from one classification to another.*
p Preliminary. r Revised.

TABLE 49

CUSTOMERS IN PERCENT OF TOTAL TOTAL ELECTRIC UTILITY INDUSTRY

BY YEAR AND CLASS OF SERVICE AT DECEMBER 31st

Year	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways*	Inter-departmental*
1991p	**88.1%**	**11.0%**	**0.5%**	**0.2%**	**0.2%**	**0.0%**	**0.0%**
1990r	88.1	11.0	0.5	0.2	0.2	0.0	0.0
1989	88.2	10.9	0.5	0.2	0.2	0.0	0.0
1988	88.2	10.9	0.5	0.2	0.2	0.0	0.0
1987	88.3	10.8	0.5	0.2	0.2	0.0	0.0
1986	88.3	10.8	0.5	0.2	0.2	0.0	0.0
1985	88.3	10.8	0.5	0.2	0.2	0.0	0.0
1984	88.5	10.6	0.5	0.2	0.2	0.0	0.0
1983	88.5	10.6	0.5	0.2	0.2	0.0	0.0
1982	88.6	10.5	0.6	0.1	0.2	0.0	0.0
1981	88.6	10.5	0.5	0.2	0.2	0.0	0.0
1980	88.7	10.5	0.5	0.1	0.2	0.0	0.0
1979	88.7	10.5	0.5	0.1	0.2	0.0	0.0
1978	88.7	10.5	0.5	0.1	0.2	0.0	0.0
1977	88.7	10.5	0.5	0.1	0.2	0.0	0.0
1976	88.7	10.5	0.5	0.1	0.2	0.0	0.0
1975	88.7	10.5	0.5	0.1	0.2	0.0	0.0
1974	88.6	10.6	0.5	0.1	0.2	0.0	0.0
1973	88.5	10.7	0.5	0.1	0.2	0.0	0.0
1972	88.4	10.8	0.5	0.1	0.2	0.0	0.0
1971	88.4	10.8	0.5	0.1	0.2	0.0	0.0

**Less than one-tenth of one percent. p Preliminary. r Revised.*
Based on customer data in Table 47.

TABLE 50A

ULTIMATE CUSTOMERS
TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND CLASS OF SERVICE AT DECEMBER 31, 1991p

State/Division	Total Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
Total United States	**111,146,829**	**97,933,812**	**12,254,700**	**513,273**	**207,740**	**234,882**	**29**	**2,393**
Maine	645,720	573,901	67,600	2,996	1,097	124	—	2
New Hampshire	555,654	481,170	71,642	1,598	670	574	—	—
Vermont	301,630	263,955	35,988	983	340	360	—	4
Massachusetts	2,630,010	2,337,063	272,158	12,289	5,617	2,882	1	—
Rhode Island	438,917	390,626	44,772	2,516	957	44	—	2
Connecticut	1,441,666	1,307,529	125,322	4,605	4,178	26	1	5
New England	**6,013,597**	**5,354,244**	**617,482**	**24,987**	**12,859**	**4,010**	**2**	**13**
New York	7,188,751	6,332,729	813,905	12,850	10,674	18,586	5	2
New Jersey	3,330,170	2,917,647	389,107	14,058	9,356	—	1	1
Pennsylvania	5,269,182	4,693,636	538,660	28,794	7,580	507	4	1
Middle Atlantic	**15,788,103**	**13,944,012**	**1,741,672**	**55,702**	**27,610**	**19,093**	**10**	**4**
Ohio	4,761,103	4,260,427	451,417	31,251	7,139	10,852	2	15
Indiana	2,469,336	2,202,680	244,634	15,848	4,499	1,672	1	2
Illinois	4,876,588	4,407,008	446,672	7,149	3,241	12,513	2	3
Michigan	4,136,895	3,721,735	392,799	14,466	4,770	3,122	—	3
Wisconsin	2,286,602	2,040,595	232,953	5,544	4,933	2,371	—	206
East North Central	**18,530,524**	**16,632,445**	**1,768,475**	**74,258**	**24,582**	**30,530**	**5**	**229**
Minnesota	1,982,767	1,774,364	185,975	9,178	7,575	5,673	—	2
Iowa	1,320,196	1,146,216	158,965	3,861	1,694	9,459	—	1
Missouri	2,405,048	2,127,172	257,067	10,626	3,958	6,152	1	72
North Dakota	311,635	264,131	44,051	1,546	829	1,075	—	3
South Dakota	334,446	287,785	42,532	1,410	1,234	1,484	—	1
Nebraska	797,496	659,314	129,340	1,964	1,277	5,599	—	2
Kansas	1,211,581	1,034,945	162,226	9,391	2,584	2,434	—	1
West North Central	**8,363,169**	**7,293,927**	**980,156**	**37,976**	**19,151**	**31,876**	**1**	**82**
Delaware	320,624	287,620	31,591	618	787	6	—	2
Maryland	1,965,932	1,766,199	187,460	11,141	1,115	14	2	1
District of Columbia	220,576	193,551	26,828	160	36	—	1	—
Virginia	2,674,628	2,377,394	263,132	5,028	2,172	26,902	—	—
West Virginia	868,671	758,627	97,892	10,703	1,190	259	—	—
North Carolina	3,219,055	2,798,726	390,388	13,379	12,065	4,474	—	23
South Carolina	1,664,910	1,444,438	207,891	4,282	4,699	3,574	—	26
Georgia	3,002,782	2,676,959	298,442	14,677	8,163	4,540	1	—
Florida	6,664,067	5,905,164	709,472	21,790	11,793	15,844	1	3
South Atlantic	**20,601,245**	**18,208,678**	**2,213,096**	**81,778**	**42,020**	**55,613**	**5**	**55**
Kentucky	1,695,652	1,482,455	189,394	8,219	6,440	9,138	—	6
Tennessee	2,332,134	2,018,823	286,620	23,613	1,288	1,773	—	17
Alabama	1,944,148	1,682,184	241,970	11,265	3,649	5,068	—	12
Mississippi	1,123,716	965,932	145,756	6,477	1,108	4,442	—	1
East South Central	**7,095,650**	**6,149,394**	**863,740**	**49,574**	**12,485**	**20,421**	**—**	**36**
Arkansas	1,166,406	1,019,358	121,785	20,858	1,092	3,313	—	—
Louisiana	1,845,926	1,626,561	189,277	15,612	2,504	11,970	—	2
Oklahoma	1,548,818	1,338,080	182,333	16,602	1,132	10,671	—	—
Texas	7,365,210	6,422,515	838,687	56,718	8,373	38,522	—	395
West South Central	**11,926,360**	**10,406,514**	**1,332,082**	**109,790**	**13,101**	**64,476**	**—**	**397**
Montana	415,181	346,810	62,158	2,736	3,096	181	—	200
Idaho	488,310	410,970	74,425	2,206	630	72	—	7
Wyoming	244,979	199,612	41,380	3,173	579	233	—	2
Colorado	1,610,037	1,404,233	202,288	1,220	1,429	867	—	—
New Mexico	688,225	588,726	91,713	4,760	845	2,087	—	94
Arizona	1,644,566	1,463,606	164,014	5,879	8,552	2,499	1	15
Utah	650,549	576,847	61,212	9,659	2,725	98	—	8
Nevada	603,229	524,157	77,800	767	355	150	—	—
Mountain	**6,345,076**	**5,514,961**	**774,990**	**30,400**	**18,211**	**6,187**	**1**	**326**
Washington	2,254,735	2,004,344	237,795	8,402	3,609	530	1	54
Oregon	1,341,905	1,165,902	171,074	3,559	1,208	147	—	15
California	12,278,907	10,739,311	1,473,295	35,494	28,644	979	4	1,180
Pacific	**15,875,547**	**13,909,557**	**1,882,164**	**47,455**	**33,461**	**1,656**	**5**	**1,249**
Alaska	226,595	191,181	31,055	604	2,733	1,020	—	2
Hawaii	380,963	328,899	49,788	749	1,527	—	—	—
Alaska & Hawaii	**607,558**	**520,080**	**80,843**	**1,353**	**4,260**	**1,020**	**—**	**2**

p Preliminary.

TABLE 50B

ULTIMATE CUSTOMERS TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND CLASS OF SERVICE AT DECEMBER 31, 1990r

State/Division	Total Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
Total United States	**110,102,079**	**97,033,887**	**12,135,373**	**508,145**	**199,444**	**222,898**	**29**	**2,303**
Maine	633,480	562,248	67,152	2,890	1,070	118	—	2
New Hampshire	558,253	483,495	72,026	1,620	669	443	—	—
Vermont	295,631	258,277	35,600	1,072	328	352	—	2
Massachusetts	2,633,804	2,324,261	289,042	12,453	5,162	2,885	1	—
Rhode Island	436,849	388,136	45,156	2,589	928	37	—	3
Connecticut	1,441,322	1,306,714	125,727	4,697	4,155	23	1	5
New England	**5,999,339**	**5,323,131**	**634,703**	**25,321**	**12,312**	**3,858**	**2**	**12**
New York	7,146,095	6,285,468	819,332	12,353	10,476	18,459	5	2
New Jersey	3,315,051	2,905,737	387,922	12,180	9,210	—	1	1
Pennsylvania	5,228,349	4,658,985	531,613	29,799	7,426	521	4	1
Middle Atlantic	**15,689,495**	**13,850,190**	**1,738,867**	**54,332**	**27,112**	**18,980**	**10**	**4**
Ohio	4,722,155	4,228,208	445,205	30,769	7,052	10,902	2	17
Indiana	2,446,443	2,182,501	242,243	15,589	4,431	1,676	1	2
Illinois	4,835,907	4,370,618	442,600	7,000	3,222	12,462	2	3
Michigan	4,101,565	3,691,072	388,491	14,244	4,680	3,075	—	3
Wisconsin	2,258,549	2,016,561	229,223	5,219	4,966	2,375	—	205
East North Central	**18,364,619**	**16,488,960**	**1,747,762**	**72,821**	**24,351**	**30,490**	**5**	**230**
Minnesota	1,977,466	1,770,885	187,849	9,083	4,688	4,959	—	2
Iowa	1,312,884	1,139,977	158,102	3,846	1,657	9,301	—	1
Missouri	2,387,639	2,112,815	254,156	10,601	3,987	6,005	1	74
North Dakota	311,185	262,767	45,122	1,432	816	1,045	—	3
South Dakota	331,255	285,428	41,871	1,302	1,199	1,454	—	1
Nebraska	790,773	652,637	128,325	1,979	1,416	6,413	—	3
Kansas	1,201,418	1,025,532	161,319	9,600	2,549	2,417	—	1
West North Central	**8,312,620**	**7,250,041**	**976,744**	**37,843**	**16,312**	**31,594**	**1**	**85**
Delaware	317,091	284,525	31,174	625	759	6	—	2
Maryland	1,942,686	1,746,319	184,227	11,025	1,098	14	2	1
District of Columbia	219,788	192,953	26,635	164	35	—	1	—
Virginia	2,639,483	2,346,368	259,730	5,007	2,133	26,245	—	—
West Virginia	860,410	752,022	96,310	10,625	1,176	277	—	—
North Carolina	3,236,082	2,815,050	391,260	13,404	11,944	4,400	—	24
South Carolina	1,649,053	1,431,036	205,675	4,304	4,647	3,365	—	26
Georgia	2,987,966	2,663,107	297,544	14,856	7,998	4,460	1	—
Florida	6,564,695	5,816,353	698,852	22,952	11,322	15,212	1	3
South Atlantic	**20,417,254**	**18,047,733**	**2,191,407**	**82,962**	**41,112**	**53,979**	**5**	**56**
Kentucky	1,701,092	1,489,017	188,764	8,324	6,103	8,877	—	7
Tennessee	2,296,949	1,989,371	282,057	22,651	1,137	1,716	—	17
Alabama	1,941,808	1,682,025	239,053	11,021	4,007	5,690	—	12
Mississippi	1,143,290	984,968	146,337	6,390	1,088	4,506	—	1
East South Central	**7,083,139**	**6,145,381**	**856,211**	**48,386**	**12,335**	**20,789**	**—**	**37**
Arkansas	1,158,072	1,012,389	120,947	20,369	1,087	3,280	—	—
Louisiana	1,822,481	1,604,845	188,017	15,547	2,502	11,568	—	2
Oklahoma	1,539,510	1,329,814	182,464	15,774	1,114	10,344	—	—
Texas	7,270,730	6,321,516	854,756	58,025	6,517	29,617	—	299
West South Central	**11,790,793**	**10,268,564**	**1,346,184**	**109,715**	**11,220**	**54,809**	**—**	**301**
Montana	411,732	344,165	61,210	2,692	3,267	186	—	212
Idaho	479,388	403,665	72,942	2,057	649	68	—	7
Wyoming	243,144	198,287	41,002	3,049	571	233	—	2
Colorado	1,595,884	1,391,718	200,848	1,191	1,329	798	—	—
New Mexico	676,512	578,403	90,766	4,618	784	1,847	—	94
Arizona	1,625,023	1,444,644	163,367	5,891	8,660	2,443	1	17
Utah	638,366	567,782	59,457	8,493	2,525	102	—	7
Nevada	578,909	502,870	74,819	722	351	147	—	—
Mountain	**6,248,958**	**5,431,534**	**764,411**	**28,713**	**18,136**	**5,824**	**1**	**339**
Washington	2,203,985	1,959,186	232,766	7,997	3,471	512	1	52
Oregon	1,315,181	1,143,952	166,855	3,065	1,146	147	—	16
California	12,082,326	10,616,437	1,400,304	35,690	27,780	942	4	1,169
Pacific	**15,601,492**	**13,719,575**	**1,799,925**	**46,752**	**32,397**	**1,601**	**5**	**1,237**
Alaska	224,536	189,681	30,660	577	2,642	974	—	2
Hawaii	369,834	319,097	48,499	723	1,515	—	—	—
Alaska & Hawaii	**594,370**	**508,778**	**79,159**	**1,300**	**4,157**	**974**	**—**	**2**

r Revised.

TABLE 51A

ULTIMATE CUSTOMERS INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND CLASS OF SERVICE AT DECEMBER 31, 1991p

State/Division	Total Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-depart-mental
Total United States	**85,139,884**	**75,039,775**	**9,395,203**	**386,342**	**147,288**	**170,789**	**23**	**464**
Maine	621,454	552,866	64,552	2,859	1,078	99	—	—
New Hampshire	488,355	422,065	63,503	1,563	652	572	—	—
Vermont	234,019	203,973	29,267	133	303	343	—	—
Massachusetts	2,300,426	2,043,537	240,541	8,100	5,568	2,679	1	—
Rhode Island	434,993	387,076	44,421	2,496	956	44	—	—
Connecticut	1,381,518	1,254,904	117,994	4,468	4,151	—	1	—
New England	**5,460,765**	**4,864,421**	**560,278**	**19,619**	**12,708**	**3,737**	**2**	**—**
New York	7,025,405	6,191,124	797,529	10,435	10,035	16,276	4	2
New Jersey	3,269,602	2,863,351	383,174	13,792	9,283	—	1	1
Pennsylvania	5,023,569	4,466,337	521,947	28,355	6,532	393	4	1
Middle Atlantic	**15,318,576**	**13,520,812**	**1,702,650**	**52,582**	**25,850**	**16,669**	**9**	**4**
Ohio	4,193,947	3,751,072	398,596	28,874	6,126	9,263	2	14
Indiana	1,897,062	1,677,914	203,024	12,074	3,175	872	1	2
Illinois	4,481,584	4,045,848	415,415	6,273	2,683	11,360	2	3
Michigan	3,666,734	3,298,206	350,791	13,099	3,056	1,579	—	3
Wisconsin	1,899,012	1,690,507	200,505	2,983	4,368	621	—	28
East North Central	**16,138,339**	**14,463,547**	**1,568,331**	**63,303**	**19,408**	**23,695**	**5**	**50**
Minnesota	1,202,381	1,059,613	128,241	7,129	4,362	3,034	—	2
Iowa	960,681	823,504	128,452	2,362	940	5,422	—	1
Missouri	1,615,762	1,417,315	183,848	8,825	2,245	3,490	—	39
North Dakota	198,854	167,302	29,144	1,354	485	567	—	2
South Dakota	180,067	151,294	27,017	833	406	516	—	1
Nebraska	—	—	—	—	—	—	—	—
Kansas	804,979	703,284	93,021	7,347	1,111	215	—	1
West North Central	**4,962,724**	**4,322,312**	**589,723**	**27,850**	**9,549**	**13,244**	**—**	**46**
Delaware	232,984	209,090	23,274	373	246	—	—	1
Maryland	1,810,878	1,625,881	173,350	10,796	848	—	2	1
District of Columbia	220,576	193,551	26,828	160	36	—	1	—
Virginia	2,250,487	1,996,697	222,692	3,522	2,023	25,553	—	—
West Virginia	860,394	751,351	96,931	10,676	1,180	256	—	—
North Carolina	2,205,493	1,885,564	299,593	10,717	8,047	1,555	—	17
South Carolina	1,005,850	854,277	143,658	3,499	2,513	1,886	—	17
Georgia	1,702,316	1,495,128	192,086	12,019	2,361	721	1	—
Florida	5,227,887	4,636,367	552,400	19,042	6,436	13,638	1	3
South Atlantic	**15,516,865**	**13,647,906**	**1,730,812**	**70,804**	**23,690**	**43,609**	**5**	**39**
Kentucky	990,259	851,844	120,814	4,445	4,982	8,173	—	1
Tennessee	39,393	35,132	3,940	163	120	38	—	—
Alabama	1,151,974	997,585	148,228	5,496	664	—	—	1
Mississippi	528,058	449,277	72,009	3,628	535	2,608	—	1
East South Central	**2,709,684**	**2,333,838**	**344,991**	**13,732**	**6,301**	**10,819**	**—**	**3**
Arkansas	717,659	615,853	80,039	19,720	523	1,524	—	—
Louisiana	1,420,027	1,247,201	146,974	12,932	2,210	10,708	—	2
Oklahoma	1,061,608	920,537	115,912	14,519	1,090	9,550	—	—
Texas	5,412,801	4,718,676	601,160	50,888	7,370	34,706	—	1
West South Central	**8,612,095**	**7,502,267**	**944,085**	**98,059**	**11,193**	**56,488**	**—**	**3**
Montana	305,190	253,275	46,239	2,608	2,742	126	—	200
Idaho	408,342	342,380	63,782	1,637	484	53	—	6
Wyoming	155,040	129,047	23,128	2,626	179	59	—	1
Colorado	1,026,550	910,637	115,064	206	515	128	—	—
New Mexico	486,593	425,655	54,947	4,528	381	1,040	—	42
Arizona	932,013	826,196	99,298	4,942	728	849	—	—
Utah	501,568	447,870	42,935	8,680	2,038	42	—	3
Nevada	572,109	498,682	72,578	722	101	26	—	—
Mountain	**4,387,405**	**3,833,742**	**517,971**	**25,949**	**7,168**	**2,323**	**—**	**252**
Washington	1,051,516	934,979	109,948	4,999	1,553	1	—	36
Oregon	1,038,833	903,111	132,197	2,475	1,046	1	—	3
California	9,544,631	8,369,304	1,142,372	5,763	27,109	53	2	28
Pacific	**11,634,980**	**10,207,394**	**1,384,517**	**13,237**	**29,708**	**55**	**2**	**67**
Alaska	17,488	14,637	2,057	458	186	150	—	—
Hawaii	380,963	328,899	49,788	749	1,527	—	—	—
Alaska & Hawaii	**398,451**	**343,536**	**51,845**	**1,207**	**1,713**	**150**	**—**	**—**

p Preliminary.

TABLE 51B

ULTIMATE CUSTOMERS INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND CLASS OF SERVICE AT DECEMBER 31, 1990r

State/Division	Total Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-depart-mental
Total United States	**84,240,074**	**74,223,521**	**9,332,439**	**383,418**	**140,521**	**159,689**	**23**	**463**
Maine	609,532	541,459	64,173	2,752	1,051	97	—	—
New Hampshire	487,346	421,446	63,238	1,572	650	440	—	—
Vermont	228,975	199,254	28,954	141	291	335	—	—
Massachusetts	2,308,311	2,034,947	257,275	8,292	5,113	2,683	1	—
Rhode Island	432,986	384,644	44,809	2,569	927	37	—	—
Connecticut	1,377,943	1,251,096	118,160	4,558	4,128	—	1	—
New England	**5,445,093**	**4,832,846**	**576,609**	**19,884**	**12,160**	**3,592**	**2**	**—**
New York	6,983,276	6,144,363	802,959	9,959	9,838	16,151	4	2
New Jersey	3,254,677	2,851,635	381,975	11,927	9,138	—	1	1
Pennsylvania	4,981,851	4,430,795	514,903	29,349	6,392	407	4	1
Middle Atlantic	**15,219,804**	**13,426,793**	**1,699,837**	**51,235**	**25,368**	**16,558**	**9**	**4**
Ohio	4,157,273	3,720,595	392,903	28,399	6,041	9,317	2	16
Indiana	1,877,066	1,660,267	200,952	11,858	3,110	876	1	2
Illinois	4,442,789	4,011,076	411,601	6,134	2,664	11,309	2	3
Michigan	3,633,196	3,269,016	346,749	12,890	2,988	1,550	—	3
Wisconsin	1,873,570	1,668,612	197,043	2,864	4,400	624	—	27
East North Central	**15,983,894**	**14,329,566**	**1,549,248**	**62,145**	**19,203**	**23,876**	**5**	**51**
Minnesota	1,196,104	1,054,348	129,409	6,985	2,332	3,028	—	2
Iowa	954,498	818,201	127,709	2,349	906	5,332	—	1
Missouri	1,601,855	1,405,912	181,480	8,788	2,281	3,353	—	41
North Dakota	198,327	166,168	29,888	1,245	478	546	—	2
South Dakota	177,786	149,533	26,598	756	389	509	—	1
Nebraska	—	—	—	—	—	—	—	—
Kansas	796,900	695,509	92,581	7,515	1,084	210	—	1
West North Central	**4,925,470**	**4,289,671**	**587,665**	**27,638**	**7,470**	**12,978**	**—**	**48**
Delaware	230,078	206,534	22,929	380	234	—	—	1
Maryland	1,788,620	1,606,840	170,264	10,680	833	—	2	1
District of Columbia	219,788	192,953	26,635	164	35	—	1	—
Virginia	2,217,402	1,967,404	219,606	3,495	1,984	24,913	—	—
West Virginia	852,169	744,774	95,357	10,598	1,166	274	—	—
North Carolina	2,193,752	1,874,404	298,986	10,759	8,028	1,557	—	18
South Carolina	997,383	847,473	142,142	3,521	2,507	1,723	—	17
Georgia	1,680,943	1,475,340	190,436	12,191	2,275	700	1	—
Florida	5,139,280	4,557,157	542,870	20,097	6,094	13,058	1	3
South Atlantic	**15,319,415**	**13,472,879**	**1,709,225**	**71,885**	**23,156**	**42,225**	**5**	**40**
Kentucky	979,062	843,009	118,920	4,507	4,692	7,933	—	1
Tennessee	38,745	34,527	3,893	167	122	36	—	—
Alabama	1,135,887	985,566	144,340	5,322	658	—	—	1
Mississippi	524,966	446,861	71,374	3,581	526	2,623	—	1
East South Central	**2,678,660**	**2,309,963**	**338,527**	**13,577**	**5,998**	**10,592**	**—**	**3**
Arkansas	711,966	611,139	79,452	19,333	526	1,516	—	—
Louisiana	1,400,019	1,228,765	145,858	12,868	2,214	10,312	—	2
Oklahoma	1,053,716	913,469	116,180	13,753	1,073	9,241	—	—
Texas	5,339,840	4,646,166	609,032	52,277	5,730	26,634	—	1
West South Central	**8,505,541**	**7,399,539**	**950,522**	**98,231**	**9,543**	**47,703**	**—**	**3**
Montana	301,903	250,695	45,379	2,590	2,913	126	—	200
Idaho	400,454	335,714	62,446	1,739	500	49	—	6
Wyoming	153,892	128,207	22,887	2,560	177	60	—	1
Colorado	1,016,148	901,085	114,239	189	501	134	—	—
New Mexico	476,959	417,054	54,240	4,387	344	892	—	42
Arizona	925,560	819,863	99,175	4,927	737	858	—	—
Utah	490,797	439,782	41,481	7,619	1,865	48	—	2
Nevada	548,571	478,057	69,712	680	101	21	—	—
Mountain	**4,314,284**	**3,770,457**	**509,559**	**24,691**	**7,138**	**2,188**	**—**	**251**
Washington	1,025,762	912,209	107,119	4,887	1,511	1	—	35
Oregon	1,015,206	883,456	128,312	2,419	1,014	1	—	4
California	9,419,993	8,262,715	1,125,285	5,672	26,257	38	2	24
Pacific	**11,460,961**	**10,058,380**	**1,360,716**	**12,978**	**28,782**	**40**	**2**	**63**
Alaska	17,118	14,330	2,032	431	188	137	—	—
Hawaii	369,834	319,097	48,499	723	1,515	—	—	—
Alaska & Hawaii	**386,952**	**333,427**	**50,531**	**1,154**	**1,703**	**137**	**—**	**—**

r Revised.

TABLE 52A

AVERAGE NUMBER OF CUSTOMERS TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND CERTAIN CLASS OF SERVICE — YEAR 1991p

State/Division	Total Ultimate Customers*	Residential	Commercial	Industrial
Total United States	**110,583,537**	**97,418,023**	**12,200,262**	**523,711**
Maine	642,499	569,986	68,078	2,948
New Hampshire	558,125	483,770	71,583	1,607
Vermont	300,779	262,611	36,485	991
Massachusetts	2,625,680	2,332,811	272,216	12,416
Rhode Island	437,158	388,778	44,836	2,557
Connecticut	1,438,300	1,304,177	125,296	4,634
New England	**6,002,541**	**5,342,132**	**618,493**	**25,152**
New York	7,170,178	6,310,355	818,061	12,733
New Jersey	3,322,273	2,910,910	389,019	13,059
Pennsylvania	5,214,183	4,644,827	532,141	29,148
Middle Atlantic	**15,706,633**	**13,866,091**	**1,739,221**	**54,940**
Ohio	4,740,526	4,242,052	449,522	30,937
Indiana	2,457,772	2,192,233	243,613	15,783
Illinois	4,848,700	4,382,144	443,792	7,094
Michigan	4,118,068	3,705,749	390,089	14,389
Wisconsin	2,272,285	2,028,040	231,098	5,630
East North Central	**18,437,350**	**16,550,218**	**1,758,113**	**73,833**
Minnesota	1,973,839	1,766,398	185,503	8,817
Iowa	1,316,734	1,143,189	158,546	3,850
Missouri	2,394,795	2,118,790	255,382	10,535
North Dakota	310,906	263,374	44,143	1,492
South Dakota	333,267	286,667	42,513	1,373
Nebraska	792,959	656,022	128,405	1,868
Kansas	1,206,309	1,029,410	162,357	9,541
West North Central	**8,328,808**	**7,263,850**	**976,847**	**37,475**
Delaware	319,335	286,482	31,442	621
Maryland	1,955,009	1,756,767	186,120	10,997
District of Columbia	219,972	193,057	26,715	164
Virginia	2,655,686	2,360,514	261,455	5,021
West Virginia	863,307	754,098	97,077	10,671
North Carolina	3,234,858	2,811,342	393,528	13,337
South Carolina	1,666,541	1,446,027	207,981	4,306
Georgia	2,989,828	2,665,540	296,938	14,712
Florida	6,597,598	5,844,233	704,187	21,997
South Atlantic	**20,502,133**	**18,118,059**	**2,205,444**	**81,825**
Kentucky	1,688,738	1,477,267	187,834	8,225
Tennessee	2,318,425	2,007,634	284,461	23,339
Alabama	1,932,361	1,672,868	239,744	11,092
Mississippi	1,120,946	963,783	145,116	6,504
East South Central	**7,060,469**	**6,121,551**	**857,155**	**49,160**
Arkansas	1,166,578	1,018,072	121,682	22,403
Louisiana	1,837,149	1,618,824	188,649	15,543
Oklahoma	1,544,204	1,333,594	182,818	16,159
Texas	7,332,438	6,388,166	840,106	57,276
West South Central	**11,880,369**	**10,358,656**	**1,333,254**	**111,381**
Montana	413,015	344,311	61,578	3,485
Idaho	485,830	407,469	73,994	3,654
Wyoming	245,221	199,661	41,325	3,420
Colorado	1,603,764	1,398,391	201,826	1,211
New Mexico	683,426	584,519	91,269	4,703
Arizona	1,634,030	1,453,258	163,923	5,757
Utah	644,794	571,999	60,517	9,534
Nevada	591,594	513,999	76,345	750
Mountain	**6,301,672**	**5,473,607**	**770,776**	**32,513**
Washington	2,233,659	1,981,326	236,826	11,302
Oregon	1,334,113	1,156,574	168,582	7,610
California	12,191,175	10,668,508	1,455,087	37,187
Pacific	**15,758,946**	**13,806,407**	**1,860,495**	**56,099**
Alaska	227,086	191,754	30,894	604
Hawaii	377,532	325,699	49,571	731
Alaska & Hawaii	**588,265**	**505,620**	**78,159**	**1,324**

Note:Total may not equal sum of components due to independent rounding.

p Preliminary.

** Includes Street and Highway Lighting, Other Public Authorities, Railroads and Railways, and Interdepartmental.*

TABLE 52B

AVERAGE NUMBER OF CUSTOMERS TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND CERTAIN CLASS OF SERVICE — YEAR 1990r

State/Division	Total Ultimate Customers*	Residential	Commercial	Industrial
Total United States	**109,320,772**	**96,322,288**	**12,057,922**	**519,596**
Maine	632,753	561,546	66,871	2,862
New Hampshire	560,811	486,119	71,984	1,627
Vermont	294,573	257,329	35,507	1,066
Massachusetts	2,615,769	2,307,787	287,559	12,447
Rhode Island	434,883	386,454	44,861	2,623
Connecticut	1,437,928	1,303,619	125,414	4,730
New England	**5,976,717**	**5,302,852**	**632,196**	**25,355**
New York	7,121,064	6,262,474	817,450	12,289
New Jersey	3,305,744	2,898,434	385,967	12,236
Pennsylvania	5,199,640	4,634,554	527,331	29,816
Middle Atlantic	**15,626,448**	**13,795,462**	**1,730,748**	**54,341**
Ohio	4,700,528	4,207,996	444,368	30,324
Indiana	2,429,856	2,167,730	240,601	15,422
Illinois	4,807,678	4,346,559	438,659	6,924
Michigan	4,075,100	3,668,139	385,022	14,203
Wisconsin	2,255,544	2,015,525	227,643	5,191
East North Central	**18,268,705**	**16,405,950**	**1,736,292**	**72,063**
Minnesota	1,957,793	1,752,528	185,583	8,820
Iowa	1,307,547	1,135,353	157,405	3,853
Missouri	2,375,564	2,102,520	253,208	9,943
North Dakota	309,760	261,659	44,913	1,428
South Dakota	329,683	283,738	41,986	1,275
Nebraska	785,020	648,093	127,555	1,840
Kansas	1,195,671	1,021,954	159,297	9,521
West North Central	**8,261,037**	**7,205,844**	**969,947**	**36,679**
Delaware	314,230	282,012	30,840	626
Maryland	1,926,153	1,731,336	182,963	10,747
District of Columbia	218,708	191,970	26,538	164
Virginia	2,616,619	2,325,893	257,779	4,981
West Virginia	855,074	747,804	95,302	10,542
North Carolina	3,177,443	2,761,928	385,790	13,420
South Carolina	1,635,619	1,420,338	203,047	4,338
Georgia	2,966,561	2,642,403	296,885	14,970
Florida	6,469,104	5,726,368	693,335	23,443
South Atlantic	**20,179,509**	**17,830,052**	**2,172,477**	**83,230**
Kentucky	1,691,237	1,481,291	186,817	8,343
Tennessee	2,285,338	1,979,861	279,902	22,738
Alabama	1,926,192	1,669,183	236,642	10,976
Mississippi	1,139,097	981,532	145,536	6,470
East South Central	**7,041,864**	**6,111,866**	**848,896**	**48,526**
Arkansas	1,159,850	1,012,596	120,876	22,050
Louisiana	1,812,217	1,596,390	186,550	15,414
Oklahoma	1,534,969	1,325,397	182,920	15,217
Texas	7,232,402	6,284,124	854,901	57,806
West South Central	**11,739,438**	**10,218,506**	**1,345,247**	**110,486**
Montana	410,413	342,030	60,864	3,863
Idaho	475,617	399,125	71,987	3,795
Wyoming	243,670	198,649	40,843	3,374
Colorado	1,591,857	1,387,509	200,767	1,190
New Mexico	672,800	574,622	90,916	4,568
Arizona	1,598,367	1,418,598	162,648	5,990
Utah	633,178	562,437	59,775	8,376
Nevada	560,666	486,645	72,828	700
Mountain	**6,186,568**	**5,369,615**	**760,627**	**31,854**
Washington	2,176,122	1,929,748	231,328	11,052
Oregon	1,304,214	1,129,983	165,247	7,656
California	11,966,929	10,513,825	1,386,720	37,069
Pacific	**15,447,264**	**13,573,556**	**1,783,296**	**55,777**
Alaska	226,525	192,131	30,199	578
Hawaii	366,697	316,454	47,998	707
Alaska & Hawaii	**593,222**	**508,585**	**78,197**	**1,285**

Note: Total may not equal sum of components due to independent rounding.

r Revised.

** Includes Street and Highway Lighting, Other Public Authorities, Railroads and Railways, and Interdepartmental.*

TABLE 53A

AVERAGE NUMBER OF CUSTOMERS INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND CERTAIN CLASS OF SERVICE — YEAR 1991p

State/Division	Total Ultimate Customers*	Residential	Commercial	Industrial
Total United States	**84,657,838**	**74,590,900**	**9,356,146**	**395,408**
Maine	618,345	549,094	65,008	2,813
New Hampshire	490,515	424,346	63,451	1,572
Vermont	233,376	202,938	29,671	134
Massachusetts	2,292,577	2,035,646	240,760	8,184
Rhode Island	433,250	385,244	44,484	2,537
Connecticut	1,378,116	1,251,542	117,942	4,496
New England	**5,446,178**	**4,848,809**	**561,315**	**19,735**
New York	7,006,820	6,168,746	801,692	10,304
New Jersey	3,261,747	2,856,675	383,066	12,794
Pennsylvania	4,968,798	4,417,735	515,452	28,707
Middle Atlantic	**15,237,366**	**13,443,155**	**1,700,210**	**51,805**
Ohio	4,174,012	3,733,261	396,774	28,565
Indiana	1,885,622	1,667,558	202,032	12,010
Illinois	4,454,127	4,021,328	412,620	6,220
Michigan	3,648,696	3,282,376	348,731	13,000
Wisconsin	1,884,908	1,678,114	198,670	3,100
East North Central	**16,047,365**	**14,382,636**	**1,558,827**	**62,894**
Minnesota	1,193,500	1,051,664	127,775	6,774
Iowa	957,282	820,507	128,058	2,352
Missouri	1,606,633	1,409,855	182,368	8,730
North Dakota	198,134	166,551	29,241	1,300
South Dakota	178,912	150,183	27,008	799
Nebraska	—	—	—	—
Kansas	800,086	698,143	93,140	7,499
West North Central	**4,934,546**	**4,296,903**	**587,588**	**27,453**
Delaware	231,699	207,954	23,126	377
Maryland	1,800,028	1,616,504	172,025	10,655
District of Columbia	219,972	193,057	26,715	164
Virginia	2,231,885	1,980,068	221,100	3,518
West Virginia	855,030	746,822	96,116	10,644
North Carolina	2,222,526	1,899,257	302,869	10,681
South Carolina	1,007,353	855,741	143,741	3,524
Georgia	1,690,646	1,484,730	190,813	12,072
Florida	5,163,611	4,577,355	547,383	19,252
South Atlantic	**15,422,750**	**13,561,487**	**1,723,887**	**70,886**
Kentucky	984,802	847,761	119,603	4,445
Tennessee	39,031	34,792	3,923	166
Alabama	1,143,629	991,176	146,403	5,386
Mississippi	527,161	448,468	71,870	3,675
East South Central	**2,694,622**	**2,322,196**	**341,799**	**13,671**
Arkansas	717,845	614,570	79,939	21,268
Louisiana	1,411,262	1,239,467	146,349	12,865
Oklahoma	1,057,024	916,065	116,400	14,088
Texas	5,382,087	4,686,817	602,072	51,515
West South Central	**8,568,217**	**7,456,920**	**944,760**	**99,735**
Montana	303,154	250,876	45,693	3,355
Idaho	405,873	338,884	63,353	3,089
Wyoming	155,284	129,096	23,075	2,873
Colorado	1,021,192	905,658	114,698	198
New Mexico	481,927	421,559	54,516	4,471
Arizona	929,395	823,468	99,523	4,828
Utah	495,856	443,049	42,250	8,561
Nevada	560,558	488,589	71,138	707
Mountain	**4,353,237**	**3,801,178**	**514,244**	**28,080**
Washington	1,041,739	923,911	108,695	7,561
Oregon	1,031,386	894,345	129,853	6,152
California	9,485,359	8,318,969	1,133,355	6,249
Pacific	**11,558,484**	**10,137,225**	**1,371,902**	**19,962**
Alaska	17,543	14,693	2,044	458
Hawaii	377,532	325,699	49,571	731
Alaska & Hawaii	**395,075**	**340,392**	**51,615**	**1,189**

Note: Total may not equal sum of components due to independent rounding.

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** Includes Street and Highway Lighting, Other Public Authorities, Railroads and Railways, and Interdepartmental.*

TABLE 53B

AVERAGE NUMBER OF CUSTOMERS INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND CERTAIN CLASS OF SERVICE — YEAR 1990r

State/Division	Total Ultimate Customers*	Residential	Commercial	Industrial
Total United States	**83,679,143**	**73,711,476**	**9,277,442**	**392,429**
Maine	608,833	540,781	63,903	2,726
New Hampshire	489,573	423,733	63,201	1,579
Vermont	228,156	198,521	28,879	140
Massachusetts	2,292,281	2,020,421	255,846	8,288
Rhode Island	431,037	382,977	44,516	2,603
Connecticut	1,374,529	1,247,949	117,879	4,591
New England	**5,424,409**	**4,814,382**	**574,225**	**19,927**
New York	6,958,623	6,121,731	801,080	9,902
New Jersey	3,245,542	2,844,488	380,036	11,983
Pennsylvania	4,954,472	4,407,560	510,754	29,366
Middle Atlantic	**15,158,637**	**13,373,779**	**1,691,870**	**51,251**
Ohio	4,138,215	3,702,810	392,162	27,983
Indiana	1,864,224	1,648,929	199,589	11,719
Illinois	4,417,129	3,989,263	407,960	6,067
Michigan	3,610,827	3,249,568	343,888	12,846
Wisconsin	1,871,084	1,667,772	195,670	2,841
East North Central	**15,901,479**	**14,258,342**	**1,539,269**	**61,456**
Minnesota	1,183,983	1,043,346	127,840	6,778
Iowa	950,603	814,883	127,138	2,354
Missouri	1,593,969	1,399,405	180,773	8,222
North Dakota	197,426	165,467	29,751	1,241
South Dakota	176,971	148,649	26,671	741
Nebraska	—	—	—	—
Kansas	792,435	692,396	91,310	7,454
West North Central	**4,895,386**	**4,264,146**	**583,483**	**26,788**
Delaware	228,003	204,710	22,683	380
Maryland	1,773,390	1,593,055	169,096	10,410
District of Columbia	218,708	191,970	26,538	164
Virginia	2,197,772	1,949,951	217,847	3,469
West Virginia	846,883	740,597	94,359	10,515
North Carolina	2,181,383	1,864,406	296,695	10,742
South Carolina	989,186	841,138	140,328	3,550
Georgia	1,669,346	1,463,945	190,189	12,274
Florida	5,060,439	4,482,868	538,295	20,542
South Atlantic	**15,165,110**	**13,332,638**	**1,696,029**	**72,046**
Kentucky	972,731	838,050	117,698	4,505
Tennessee	38,453	34,268	3,870	161
Alabama	1,127,593	978,837	142,837	5,263
Mississippi	524,058	445,945	71,319	3,664
East South Central	**2,662,835**	**2,297,099**	**335,723**	**13,593**
Arkansas	713,637	611,264	79,417	20,933
Louisiana	1,392,108	1,222,291	144,720	12,757
Oklahoma	1,050,447	910,435	116,456	13,263
Texas	5,308,754	4,614,498	610,609	52,053
West South Central	**8,464,946**	**7,358,487**	**951,201**	**99,006**
Montana	301,209	249,141	45,122	3,717
Idaho	397,326	331,939	61,635	3,208
Wyoming	154,320	128,441	22,807	2,834
Colorado	1,013,636	898,542	114,246	191
New Mexico	474,261	414,329	54,330	4,339
Arizona	910,315	804,888	98,819	5,010
Utah	486,731	435,641	41,694	7,515
Nevada	531,269	462,634	67,856	659
Mountain	**4,269,066**	**3,725,553**	**506,509**	**27,471**
Washington	1,013,258	898,227	106,004	7,495
Oregon	1,007,043	872,766	127,049	6,184
California	9,333,006	8,185,087	1,116,084	6,076
Pacific	**11,353,307**	**9,956,081**	**1,349,137**	**19,755**
Alaska	17,273	14,516	2,001	431
Hawaii	366,697	316,454	47,998	707
Alaska & Hawaii	**383,970**	**330,970**	**49,999**	**1,138**

Note: Total may not equal sum of components due to independent rounding.

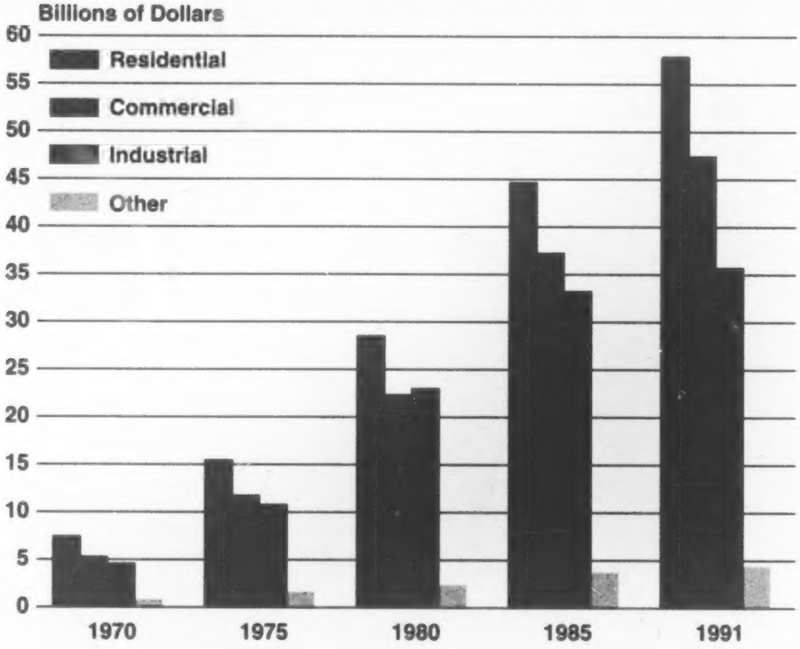
r Revised.

** Includes Street and Highway Lighting, Other Public Authorities, Railroads and Railways, and Interdepartmental.*

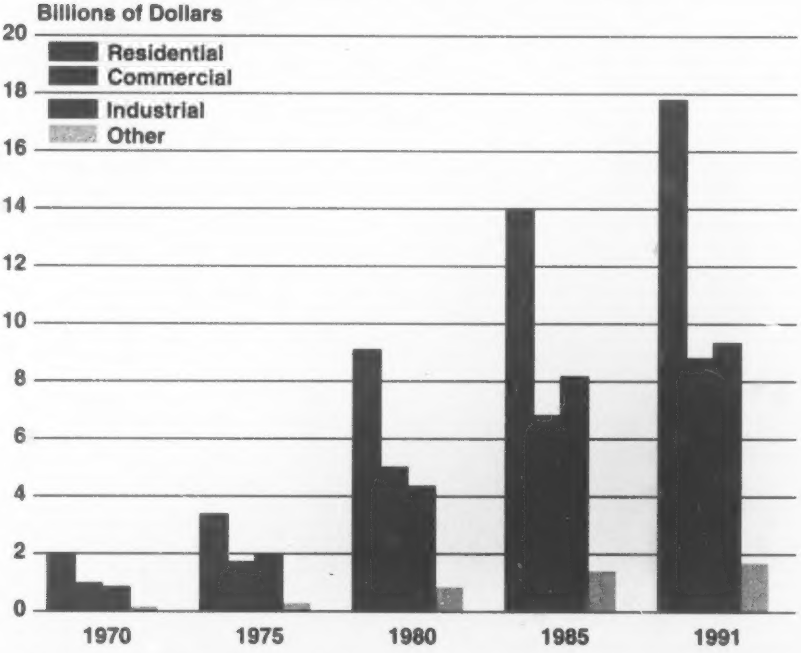
SECTION VIII
REVENUES

CHART VIII-A
REVENUES FROM ULTIMATE CUSTOMERS

INVESTOR-OWNED UTILITIES



NON-INVESTOR-OWNED UTILITIES



Based on Tables 56 and 57, page 64.

TABLE 56

REVENUES
TOTAL ELECTRIC UTILITY INDUSTRY

BY YEAR AND CLASS OF SERVICE
THOUSANDS OF DOLLARS

Year	Total Revenue from Sales†	Exports to Canada and Mexico	Total from Ultimate Customers	Resi-dential	Commercial*	Industrial*	Street and Highway Lighting	Other Public Author-ities	Railroads and Railways	Inter-depart-mental
1991p . .	**$183,129,292**	**$102,631**	**$183,026,661**	**$75,667,902**	**$56,254,021**	**$45,046,197**	**$1,665,427**	**$3,929,077**	**$337,320**	**$126,716**
1990r . .	176,928,812	460,863	176,467,949	71,666,279	54,193,002	44,865,804	1,633,369	3,610,237	337,620	161,637
1989 . . .	169,903,112	276,332	169,626,780	68,760,042	51,561,710	43,745,803	1,544,298	3,518,362	328,974	167,591
1988 . . .	162,449,065	61,207	162,387,858	66,402,539	49,141,145	41,561,302	1,503,799	3,308,314	296,215	174,544
1987 . . .	155,713,924	33,407	155,700,236	63,049,059	46,745,107	40,630,608	1,509,246	3,273,260	301,635	191,321
1986 . . .	152,480,811	13,688	152,467,123	60,910,603	45,410,286	40,906,054	1,498,431	3,214,164	311,971	215,614
1985 . . .	149,187,568	25,216	149,162,352	58,591,751	44,060,554	41,367,847	1,476,092	3,163,473	313,165	189,470
1984 . . .	143,114,300	21,796	143,092,504	56,116,141	41,253,720	40,795,789	1,375,931	3,044,623	302,725	203,574
1983 . . .	129,596,675	7,874	129,588,801	51,226,246	37,103,377	36,611,630	1,324,955	2,864,037	296,766	161,790
1982 . . .	121,597,243	13,012	121,584,231	47,188,127	34,150,840	35,881,745	1,254,430	2,633,749	291,751	183,589
1981 . . .	111,028,011	26,838	111,001,173	42,824,457	31,325,322	33,030,093	1,168,691	2,247,307	238,554	166,749
1980 . . .	95,505,802	43,421	95,462,381	37,580,892	27,369,963	27,316,770	1,041,008	1,811,065	207,683	135,000
1979 . . .	79,649,846	9,609	79,640,237	30,798,693	22,264,356	23,825,487	918,157	1,517,333	188,628	127,583
1978 . . .	69,865,806	12,862	69,852,944	27,381,419	19,714,364	20,280,391	849,677	1,350,439	170,123	106,531
1977 . . .	62,629,713	19,684	62,610,029	24,687,500	18,021,548	17,629,321	776,771	1,245,155	145,680	104,054
1976 . . .	53,480,659	17,795	53,462,864	21,149,590	15,236,104	14,999,522	724,436	1,112,247	163,840	77,125
1975 . . .	46,864,685	11,229	46,853,456	18,803,156	13,486,624	12,707,490	659,332	975,799	159,160	61,895
1974 . . .	39,133,322	6,517	39,126,805	15,702,853	11,196,960	10,673,464	573,164	780,010	146,112	54,242
1973 . . .	31,668,281	5,422	31,662,859	13,194,773	9,147,188	8,073,636	491,831	620,991	91,903	42,537
1972 . . .	27,927,681	6,611	27,921,070	11,729,833	8,041,052	6,983,891	449,831	593,267	85,300	37,896
1971 . . .	24,735,122	9,963	24,725,159	10,483,526	7,071,971	6,133,964	411,534	512,772	77,862	33,530

Note: Total may not equal sum of components due to independent rounding.
† Excludes other electric revenues.
** Commercial and Industrial are not wholly comparable on a year-to-year basis due to changes from one classification to another.*
p Preliminary. r Revised.

TABLE 57

REVENUES
INVESTOR-OWNED ELECTRIC UTILITIES

BY YEAR AND CLASS OF SERVICE
THOUSANDS OF DOLLARS

Year	Total Revenues	Other Revenues†	Total from Ultimate Customers	Resi-dential	Commercial*	Industrial*	Street and Highway Lighting	Other Public Author-ities	Railroads and Railways	Inter-depart-mental
1991p . .	**$153,902,130**	**$8,496,077**	**$145,406,053**	**$57,879,864**	**$47,440,965**	**$35,712,363**	**$1,268,601**	**$2,850,001**	**$177,244**	**$ 77,015**
1990r . .	146,171,868	6,691,043	139,480,825	54,549,758	45,597,299	35,278,242	1,240,369	2,548,938	163,490	102,729
1989 . . .	140,883,099	7,005,070	133,878,029	52,325,314	43,440,937	34,132,516	1,212,529	2,499,378	158,725	116,336
1988 . . .	134,555,680	6,315,324	128,240,356	50,472,485	41,237,149	32,739,382	1,181,146	2,343,706	150,151	139,454
1987 . . .	129,437,054	6,124,194	123,312,860	47,962,072	39,437,160	32,110,727	1,198,413	2,320,698	147,336	162,947
1986 . . .	127,552,448	6,477,978	121,074,470	46,241,943	38,382,364	32,618,323	1,177,956	2,334,092	156,846	136,064
1985 . . .	125,547,432	6,711,160	118,836,272	44,651,261	37,241,520	33,204,216	1,159,701	2,285,783	157,728	131,916
1984 . . .	120,090,160	6,752,083	113,338,077	42,474,833	34,720,332	32,605,010	1,119,279	2,144,129	142,578	102,536
1983 . . .	109,446,384	6,581,164	102,865,220	39,067,481	31,336,661	29,275,314	1,057,872	1,899,057	126,300	104,329
1982 . . .	101,692,973	4,595,135	97,097,838	36,138,384	29,603,969	28,322,848	1,022,473	1,775,494	130,340	93,645
1981 . . .	94,266,325	5,497,327	88,768,998	32,622,129	26,370,929	26,986,678	933,861	1,641,632	120,124	67,822
1980 . . .	80,635,823	4,460,469	76,175,354	28,492,402	22,351,012	22,970,668	819,762	1,362,136	111,552	64,710
1979 . . .	68,151,992	4,274,055	63,877,937	23,613,621	18,463,690	19,801,718	716,209	1,137,987	80,002	53,381
1978 . . .	61,298,846	3,683,472	57,615,374	21,623,578	16,784,764	17,379,313	682,895	1,016,671	74,772	50,971
1977 . . .	55,141,656	3,364,784	51,776,872	19,541,802	15,404,917	15,092,313	632,154	964,452	90,263	35,713
1976 . . .	47,079,734	2,599,312	44,480,422	16,920,314	13,137,482	12,688,950	612,674	935,116	150,173	25,546
1975 . . .	41,855,398	2,285,281	39,570,117	15,434,811	11,766,583	10,785,231	558,554	841,853	157,539	22,359
1974 . . .	34,970,201	1,784,436	33,185,765	12,881,369	9,737,585	9,243,172	485,472	670,971	144,837	16,704
1973 . . .	27,525,926	1,208,947	26,316,979	10,590,178	7,807,644	6,875,953	412,921	522,826	90,753	12,191
1972 . . .	24,132,546	1,011,942	23,120,604	9,359,949	6,832,630	5,950,367	378,413	502,910	84,144	10,143
1971 . . .	21,230,373	835,581	20,394,792	8,308,330	6,016,096	5,199,601	347,972	435,949	76,701	8,648

Note: Total may not equal sum of components due to independent rounding.
† Includes revenue from sales to non-investor-owned electric utilities, from exports and other electric revenues.
** Commercial and Industrial are not wholly comparable on a year-to-year basis due to changes from one classification to another.*
p Preliminary. r Revised.

TABLE 58

REVENUES IN PERCENT OF TOTAL TOTAL ELECTRIC UTILITY INDUSTRY

BY YEAR AND CLASS OF SERVICE

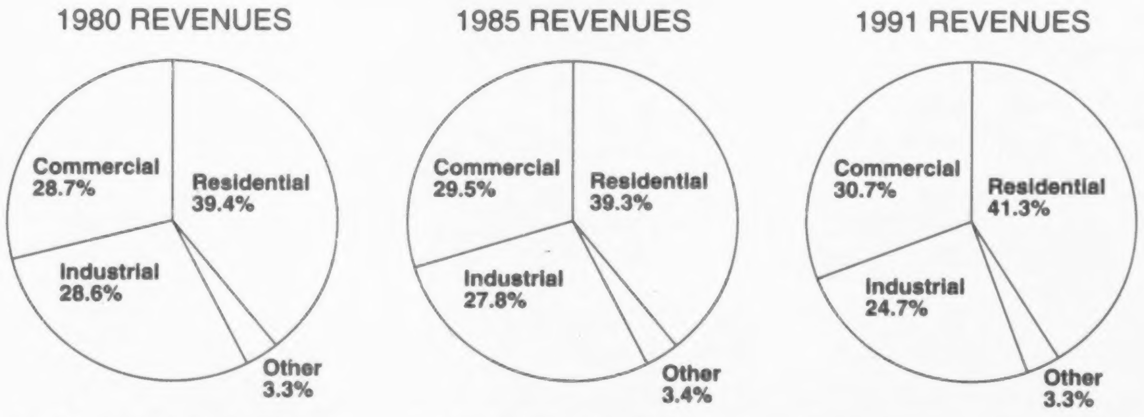
Year	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
1991p	**41.3%**	**30.7%**	**24.7%**	**0.9%**	**2.1%**	**0.2%**	**0.1%**
1990r	40.7	30.7	25.4	0.9	2.0	0.2	0.1
1989	40.5	30.4	25.8	0.9	2.1	0.2	0.1
1988	40.9	30.3	25.6	0.9	2.0	0.2	0.1
1987	40.5	30.0	26.1	1.0	2.1	0.2	0.1
1986	40.0	29.8	26.8	1.0	2.1	0.2	0.1
1985	39.3	29.5	27.8	1.0	2.1	0.2	0.1
1984	39.3	28.8	28.5	1.0	2.1	0.2	0.1
1983	39.5	28.6	28.3	1.0	2.2	0.3	0.1
1982	38.8	28.1	29.5	1.0	2.2	0.2	0.2
1981	38.6	28.2	29.7	1.1	2.0	0.2	0.2
1980	39.4	28.7	28.6	1.1	1.9	0.2	0.1
1979	38.7	28.0	29.9	1.1	1.9	0.2	0.2
1978	39.2	28.2	29.0	1.2	1.9	0.3	0.2
1977	39.4	28.8	28.2	1.2	2.0	0.2	0.2
1976	39.6	28.5	28.0	1.4	2.1	0.3	0.1
1975	40.1	28.8	27.1	1.4	2.1	0.4	0.1
1974	40.1	28.6	27.3	1.5	2.0	0.4	0.1
1973	41.6	28.9	25.5	1.6	2.0	0.3	0.1
1972	42.0	28.8	25.0	1.6	2.1	0.3	0.2
1971	42.4	28.6	24.8	1.7	2.1	0.3	0.1

Based on revenue data in Table 56. p Preliminary. r Revised.

CHART VIII-B

REVENUES

TOTAL ELECTRIC UTILITY INDUSTRY
BY YEAR AND CLASS OF SERVICES
THOUSANDS OF DOLLARS



Total Revenues = $95,462,381 **Total Revenues = $149,162,352** **Total Revenues = $183,026,661**

Based on Table 58, as shown above.

TABLE 59A

REVENUES
TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND CLASS OF SERVICE
YEAR 1991p — THOUSANDS OF DOLLARS

State/Division	Total from Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
Total United States	**$183,026,661**	**$75,667,902**	**$56,254,021**	**$45,046,197**	**$1,665,427**	**$3,929,077**	**$337,320**	**$126,716**
Maine	978,857	399,061	242,339	316,433	11,613	9,319	—	91
New Hampshire	789,773	347,309	191,413	237,064	7,329	6,658	—	—
Vermont	410,275	176,323	130,886	97,019	3,357	2,628	—	61
Massachusetts	4,266,790	1,598,919	1,703,193	837,481	59,286	57,755	10,155	—
Rhode Island	650,847	260,365	243,590	126,957	8,624	11,306	—	5
Connecticut	2,606,824	1,097,299	1,000,824	460,471	35,281	2,594	10,003	351
New England	**9,703,366**	**3,879,278**	**3,512,245**	**2,075,425**	**125,491**	**90,260**	**20,158**	**509**
New York	12,669,098	4,693,962	5,090,917	1,934,117	152,646	634,392	161,030	2,034
New Jersey	6,118,513	2,329,454	2,545,859	1,164,029	77,140	—	434	1,598
Pennsylvania	9,286,568	3,788,851	2,537,623	2,797,578	87,433	12,220	57,358	5,504
Middle Atlantic	**28,074,179**	**10,812,268**	**10,174,399**	**5,895,724**	**317,218**	**646,612**	**218,822**	**9,135**
Ohio	8,836,927	3,353,012	2,422,387	2,784,422	59,110	212,691	4,677	629
Indiana	3,937,274	1,607,397	960,069	1,319,679	33,693	12,630	1,145	2,661
Illinois	8,897,385	3,542,689	2,561,543	2,238,823	53,308	472,342	28,454	227
Michigan	5,949,135	2,106,727	1,700,076	2,003,292	86,355	50,173	—	2,512
Wisconsin	2,784,480	1,174,651	770,299	793,481	27,734	15,423	—	2,891
East North Central	**30,405,201**	**11,784,476**	**8,414,375**	**9,139,696**	**260,200**	**763,258**	**34,276**	**8,921**
Minnesota	2,723,846	1,146,355	520,619	1,012,406	21,585	22,658	—	223
Iowa	1,819,400	861,792	434,378	474,784	20,641	27,771	—	33
Missouri	3,544,934	1,694,545	1,226,900	557,337	29,898	35,321	306	627
North Dakota	412,745	191,566	127,410	75,909	7,395	10,412	—	54
South Dakota	409,283	211,264	105,034	79,875	6,188	6,920	—	2
Nebraska	988,554	428,760	339,818	180,486	15,914	22,720	—	856
Kansas	1,870,072	790,135	659,288	390,648	18,334	11,153	—	513
West North Central	**11,768,834**	**5,324,416**	**3,413,447**	**2,771,446**	**119,955**	**136,955**	**306**	**2,308**
Delaware	568,720	241,993	168,301	152,737	5,491	90	—	109
Maryland	3,498,719	1,615,890	745,879	1,075,796	43,967	573	13,886	2,729
District of Columbia	637,530	103,971	347,976	165,910	5,153	—	14,520	—
Virginia	4,616,643	2,196,282	1,284,395	699,657	40,102	396,207	—	—
West Virginia	1,142,793	478,195	281,689	375,165	6,605	1,139	—	—
North Carolina	5,888,598	2,703,661	1,573,642	1,486,579	40,872	83,516	—	328
South Carolina	3,188,706	1,338,259	751,026	1,058,172	11,090	29,602	—	557
Georgia	5,293,826	2,227,812	1,662,060	1,327,471	52,050	17,470	6,964	—
Florida	10,346,262	5,656,614	3,484,773	886,161	84,074	219,249	5,438	9,952
South Atlantic	**35,181,797**	**16,562,676**	**10,299,742**	**7,227,648**	**289,405**	**747,845**	**40,808**	**13,674**
Kentucky	2,777,493	1,034,451	507,240	930,032	15,834	288,267	—	1,669
Tennessee	4,022,998	1,711,516	420,157	1,853,841	29,163	3,052	—	5,270
Alabama	3,497,364	1,440,975	745,428	1,281,301	26,076	1,660	—	1,923
Mississippi	1,961,777	846,590	473,237	604,315	15,155	22,373	—	106
East South Central	**12,259,631**	**5,033,532**	**2,146,061**	**4,669,489**	**86,229**	**315,353**	**—**	**8,968**
Arkansas	1,872,575	884,895	449,664	504,830	11,131	22,055	—	—
Louisiana	3,782,549	1,556,421	927,379	1,138,480	28,650	106,069	—	25,549
Oklahoma	2,248,521	1,069,122	635,442	428,683	12,910	102,365	—	—
Texas	14,202,522	6,182,494	3,952,024	3,454,884	105,265	497,588	—	10,267
West South Central	**22,106,166**	**9,692,932**	**5,964,509**	**5,526,877**	**157,956**	**728,077**	**—**	**35,816**
Montana	549,901	199,205	151,949	187,579	6,875	3,400	—	892
Idaho	686,949	287,456	213,843	181,172	3,302	1,161	—	14
Wyoming	503,549	109,507	123,000	265,635	3,618	1,781	—	7
Colorado	1,831,697	709,478	813,101	273,574	25,254	10,290	—	—
New Mexico	996,219	333,008	393,182	217,424	8,260	42,855	—	1,490
Arizona	3,279,260	1,431,245	1,175,623	588,625	33,177	41,793	1,756	7,040
Utah	901,769	313,758	303,369	252,795	5,762	26,030	—	55
Nevada	929,307	340,520	256,841	303,668	6,358	21,919	—	—
Mountain	**9,678,649**	**3,724,177**	**3,430,906**	**2,270,473**	**92,608**	**149,229**	**1,756**	**9,498**
Washington	3,028,185	1,242,490	778,460	916,073	34,593	54,626	779	1,165
Oregon	1,800,554	736,645	569,315	472,599	14,955	4,659	—	2,380
California	17,827,620	6,452,201	7,127,901	3,758,299	148,287	286,202	20,414	34,316
Pacific	**22,656,359**	**8,431,336**	**8,475,675**	**5,146,971**	**197,836**	**345,487**	**21,192**	**37,862**
Alaska	406,580	171,259	185,208	31,062	13,026	6,001	—	25
Hawaii	785,897	251,553	237,453	291,388	5,503	—	—	—
Alaska & Hawaii	**1,192,477**	**422,812**	**422,661**	**322,450**	**18,528**	**6,001**	**—**	**25**

Note: Total may not equal sum of components due to independent rounding.
p Preliminary.

TABLE 59B

REVENUES
TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND CLASS OF SERVICE
YEAR 1990r — THOUSANDS OF DOLLARS

State/Division	Total from Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
Total United States	**$176,467,949**	**$71,666,279**	**$54,193,002**	**$44,865,804**	**$1,633,369**	**$3,610,237**	**$337,620**	**$161,637**
Maine	881,306	365,212	214,392	282,939	10,476	8,193	—	94
New Hampshire	783,197	346,927	186,341	236,502	7,247	6,179	—	—
Vermont	399,297	174,661	126,656	91,419	3,155	3,371	—	35
Massachusetts	4,020,349	1,504,193	1,589,324	805,401	58,090	54,073	9,269	—
Rhode Island	586,783	233,647	219,090	116,358	7,712	9,972	—	4
Connecticut	2,489,170	1,039,249	943,421	459,851	34,178	2,463	9,642	365
New England	**9,160,103**	**3,663,889**	**3,279,224**	**1,992,471**	**120,859**	**84,251**	**18,910**	**498**
New York	12,102,753	4,406,454	4,905,422	1,845,820	150,172	617,407	175,179	2,298
New Jersey	5,736,465	2,132,649	2,402,185	1,124,677	74,906	—	380	1,667
Pennsylvania	8,767,966	3,513,982	2,352,431	2,746,758	86,206	8,839	53,790	5,960
Middle Atlantic	**26,607,185**	**10,053,086**	**9,660,038**	**5,717,255**	**311,285**	**626,247**	**229,350**	**9,926**
Ohio	8,422,251	3,064,657	2,269,751	2,818,981	59,524	204,356	4,326	657
Indiana	3,818,897	1,497,018	927,541	1,343,854	33,894	12,689	1,127	2,775
Illinois	7,786,367	3,049,420	2,222,716	2,043,932	47,205	398,933	23,981	180
Michigan	5,811,692	1,971,857	1,669,985	2,034,536	85,036	47,293	—	2,986
Wisconsin	2,638,371	1,087,106	733,130	772,542	27,042	15,536	—	3,016
East North Central	**28,477,579**	**10,670,059**	**7,823,122**	**9,013,844**	**252,699**	**678,806**	**29,434**	**9,614**
Minnesota	2,518,667	1,018,392	486,790	970,710	20,755	21,833	—	188
Iowa	1,744,105	821,057	414,258	461,744	20,178	26,829	—	38
Missouri	3,390,025	1,559,444	1,195,358	572,801	29,306	32,261	272	583
North Dakota	398,725	184,112	124,719	72,598	7,192	9,992	—	112
South Dakota	386,810	198,899	103,335	72,523	5,953	6,098	—	1
Nebraska	981,444	420,231	337,469	185,584	15,873	21,717	—	569
Kansas	1,797,753	752,435	633,320	383,474	18,089	10,408	—	27
West North Central	**11,217,528**	**4,954,570**	**3,295,250**	**2,719,433**	**117,346**	**129,138**	**272**	**1,518**
Delaware	532,168	221,543	158,425	147,083	4,933	81	—	103
Maryland	3,121,160	1,379,756	697,029	988,745	40,561	360	12,076	2,633
District of Columbia	584,583	90,320	322,120	153,717	5,038	—	13,389	—
Virginia	4,362,827	2,030,518	1,228,962	686,297	38,326	378,725	—	—
West Virginia	1,093,119	445,565	266,721	373,402	6,351	1,080	—	—
North Carolina	5,744,692	2,609,417	1,524,094	1,489,999	39,417	81,466	—	299
South Carolina	3,122,604	1,308,693	727,368	1,046,189	10,787	28,965	—	603
Georgia	5,288,948	2,244,868	1,636,413	1,332,682	50,371	17,333	7,282	—
Florida	9,947,896	5,414,403	3,348,746	882,710	80,383	207,709	5,305	8,639
South Atlantic	**33,797,998**	**15,745,083**	**9,909,877**	**7,100,823**	**276,168**	**715,718**	**38,052**	**12,277**
Kentucky	2,860,791	959,904	489,122	1,116,136	15,138	278,622	—	1,868
Tennessee	3,958,344	1,655,285	409,332	1,858,216	28,217	2,903	—	4,391
Alabama	3,404,954	1,391,243	710,006	1,274,740	25,317	1,751	—	1,898
Mississippi	1,954,004	841,052	469,957	605,790	14,929	22,096	—	181
East South Central	**12,178,094**	**4,847,484**	**2,078,417**	**4,854,882**	**83,602**	**305,372**	**—**	**8,337**
Arkansas	1,848,706	865,152	440,232	510,545	10,934	21,844	—	—
Louisiana	3,790,468	1,557,172	928,472	1,122,331	28,438	101,943	—	52,112
Oklahoma	2,114,510	1,006,545	605,085	396,440	12,015	94,426	—	—
Texas	13,332,349	5,738,032	3,773,131	3,351,798	98,058	360,598	—	10,733
West South Central	**21,086,033**	**9,166,901**	**5,746,919**	**5,381,113**	**149,444**	**578,810**	**—**	**62,845**
Montana	511,523	182,125	136,660	182,272	6,373	3,357	—	735
Idaho	680,903	272,272	217,555	186,482	3,397	1,182	—	15
Wyoming	503,785	105,455	118,812	274,238	3,561	1,709	—	10
Colorado	1,784,139	687,468	791,076	269,498	24,631	11,466	—	—
New Mexico	975,141	320,448	383,480	219,208	8,114	42,127	—	1,765
Arizona	3,217,844	1,392,418	1,160,478	572,225	33,263	43,262	1,659	14,539
Utah	873,186	301,525	297,585	242,403	5,543	26,077	—	53
Nevada	875,306	319,580	242,709	288,472	5,524	19,021	—	—
Mountain	**9,421,827**	**3,581,290**	**3,348,356**	**2,234,799**	**90,404**	**148,201**	**1,659**	**17,117**
Washington	3,000,394	1,223,251	739,168	951,280	34,991	49,897	696	1,111
Oregon	1,750,004	702,328	548,836	477,456	14,450	4,556	—	2,377
California	18,639,774	6,659,921	7,367,549	4,107,423	165,461	284,182	19,247	35,991
Pacific	**23,390,172**	**8,585,500**	**8,655,553**	**5,536,159**	**214,901**	**338,635**	**19,944**	**39,479**
Alaska	381,587	160,313	172,928	32,093	11,169	5,059	—	25
Hawaii	749,845	238,103	223,320	282,930	5,492	—	—	—
Alaska & Hawaii	**1,131,432**	**398,416**	**396,248**	**315,023**	**16,661**	**5,059**	**—**	**25**

Note: Total may not equal sum of components due to independent rounding.
r Revised.

TABLE 60A

REVENUES
INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND CLASS OF SERVICE
YEAR 1991p — THOUSANDS OF DOLLARS

State/Division	Total from Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-depart-mental
Total United States	**$145,406,053**	**$57,879,864**	**$47,440,965**	**$35,712,363**	**$1,268,601**	**$2,850,001**	**$177,244**	**$77,015**
Maine	950,235	384,347	237,311	308,399	11,283	8,895	—	—
New Hampshire	729,533	311,904	172,916	231,170	6,922	6,621	—	—
Vermont	330,158	139,153	120,244	66,545	2,585	1,631	—	—
Massachusetts	3,703,686	1,399,048	1,574,671	630,666	54,004	35,143	10,155	—
Rhode Island	646,837	257,927	243,020	125,979	8,605	11,306	—	—
Connecticut	2,481,497	1,059,426	966,714	411,264	34,090	—	10,003	—
New England	**6,841,946**	**3,551,805**	**3,314,875**	**1,774,023**	**117,489**	**63,595**	**20,158**	**—**
New York	11,856,778	4,632,043	5,063,269	1,791,446	101,100	262,421	4,465	2,034
New Jersey	6,027,212	2,285,251	2,528,822	1,134,875	76,232	—	434	1,598
Pennsylvania	9,022,225	3,603,840	2,489,077	2,768,722	86,099	11,625	57,358	5,504
Middle Atlantic	**26,906,215**	**10,521,134**	**10,081,168**	**5,695,043**	**263,431**	**274,046**	**62,257**	**9,135**
Ohio	8,161,758	2,978,696	2,285,434	2,633,175	56,214	202,944	4,677	617
Indiana	3,241,800	1,180,250	848,821	1,171,786	28,670	8,468	1,145	2,661
Illinois	8,296,301	3,191,028	2,404,499	2,165,107	52,194	454,794	28,454	227
Michigan	5,395,346	1,888,885	1,525,135	1,881,972	54,368	42,503	—	2,484
Wisconsin	2,345,814	940,114	709,512	659,478	25,003	9,879	—	1,828
East North Central	**27,441,020**	**10,178,972**	**7,773,400**	**8,511,518**	**216,448**	**718,587**	**34,276**	**7,818**
Minnesota	1,769,101	551,118	305,019	881,769	18,206	12,766	—	223
Iowa	1,379,326	581,962	372,235	388,948	16,956	19,199	—	27
Missouri	2,677,104	1,152,734	1,015,162	464,629	25,081	19,412	—	86
North Dakota	223,994	97,431	69,381	50,575	3,402	3,153	—	52
South Dakota	232,763	95,492	68,825	64,208	2,704	1,533	—	1
Nebraska	—	—	—	—	—	—	—	—
Kansas	1,313,122	545,042	457,667	293,577	15,410	1,383	—	43
West North Central	**7,595,406**	**3,023,777**	**2,288,288**	**2,143,706**	**81,759**	**57,446**	**—**	**432**
Delaware	446,603	176,449	141,482	124,444	4,125	—	—	103
Maryland	3,274,429	1,473,436	694,456	1,053,009	36,914	—	13,886	2,729
District of Columbia	637,530	103,971	347,976	165,910	5,153	—	14,520	—
Virginia	4,043,731	1,844,612	1,190,445	582,490	37,396	388,788	—	—
West Virginia	1,135,899	473,884	280,066	374,345	6,537	1,066	—	—
North Carolina	4,365,036	1,782,590	1,216,168	1,275,557	26,951	63,479	—	292
South Carolina	2,203,916	811,964	557,591	801,343	8,844	23,636	—	538
Georgia	3,629,409	1,191,899	1,304,894	1,088,193	32,776	4,683	6,964	—
Florida	8,120,130	4,460,623	2,790,493	597,929	60,615	195,080	5,438	9,952
South Atlantic	**27,856,683**	**12,319,428**	**8,523,571**	**6,063,221**	**219,311**	**676,732**	**40,808**	**13,613**
Kentucky	1,576,428	543,417	374,980	359,417	11,587	286,984	—	44
Tennessee	71,015	28,526	14,882	25,698	425	1,485	—	—
Alabama	2,249,963	864,347	582,730	790,224	12,491	—	—	170
Mississippi	1,054,909	411,103	333,263	279,044	10,853	20,540	—	106
East South Central	**4,952,316**	**1,847,393**	**1,305,855**	**1,454,383**	**35,355**	**309,009**	**—**	**321**
Arkansas	1,309,778	555,539	336,434	389,174	9,500	19,131	—	—
Louisiana	3,201,961	1,181,329	820,346	1,044,148	28,194	102,771	—	25,173
Oklahoma	1,664,266	717,741	480,045	354,962	12,528	98,990	—	—
Texas	11,624,148	4,832,620	3,229,578	3,081,677	86,499	393,470	—	303
West South Central	**17,800,152**	**7,287,229**	**4,866,403**	**4,869,962**	**136,721**	**614,362**	**—**	**25,476**
Montana	374,368	129,461	115,063	120,211	5,864	2,877	—	892
Idaho	590,524	238,620	183,045	165,797	2,910	138	—	14
Wyoming	341,371	64,253	62,043	212,304	1,992	772	—	6
Colorado	1,177,966	422,335	583,561	149,252	18,377	4,441	—	—
New Mexico	730,884	242,133	278,676	164,863	7,040	36,840	—	1,333
Arizona	1,942,359	809,012	733,146	370,403	15,274	14,524	—	—
Utah	688,896	246,377	208,840	207,496	4,748	21,410	—	25
Nevada	862,798	323,348	238,682	273,282	6,218	21,268	—	—
Mountain	**6,709,167**	**2,475,539**	**2,403,056**	**1,663,607**	**62,424**	**102,271**	**—**	**2,269**
Washington	1,276,994	635,584	443,735	185,607	11,387	1	—	680
Oregon	1,332,116	557,809	462,124	296,120	13,939	9	—	2,115
California	13,874,742	5,213,975	5,732,644	2,755,650	104,605	32,969	19,744	15,156
Pacific	**16,483,851**	**6,407,368**	**6,638,502**	**3,237,377**	**129,931**	**32,979**	**19,744**	**17,951**
Alaska	33,398	15,666	8,392	8,135	230	974	—	—
Hawaii	785,897	251,553	237,453	291,388	5,503	—	—	—
Alaska & Hawaii	**819,295**	**267,220**	**245,846**	**299,523**	**5,732**	**974**	**—**	..

Note: Total may not equal the sum of components due to independent rounding.
p Preliminary.

TABLE 60B

REVENUES
INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND CLASS OF SERVICE
YEAR 1990r — THOUSANDS OF DOLLARS

State/Division	Total from Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-depart-mental
Total United States	**$139,480,825**	**$54,549,758**	**$45,597,299**	**$35,278,242**	**$1,240,369**	**$2,548,938**	**$163,490**	**$102,729**
Maine	854,226	350,830	209,615	275,824	10,169	7,788	—	—
New Hampshire	722,575	310,326	167,959	231,318	6,834	6,138	—	—
Vermont	322,931	139,057	116,136	63,206	2,455	2,076	—	—
Massachusetts	3,458,491	1,302,213	1,462,836	599,771	52,624	31,778	9,269	—
Rhode Island	582,970	231,376	218,510	115,418	7,693	9,972	—	—
Connecticut	2,365,688	1,001,667	909,675	411,782	32,923	—	9,642	—
New England	**8,306,881**	**3,335,470**	**3,084,731**	**1,697,319**	**112,699**	**57,752**	**18,910**	**—**
New York	11,284,008	4,348,440	4,881,623	1,706,694	96,213	244,384	4,356	2,298
New Jersey	5,651,381	2,092,389	2,385,896	1,096,990	74,059	—	380	1,667
Pennsylvania	8,521,007	3,342,298	2,307,376	2,718,375	84,931	8,276	53,790	5,960
Middle Atlantic	**25,456,396**	**9,783,127**	**9,574,895**	**5,522,058**	**255,204**	**252,660**	**58,526**	**9,926**
Ohio	7,786,300	2,722,532	2,141,384	2,665,815	56,770	194,827	4,326	645
Indiana	3,153,412	1,098,667	820,501	1,193,294	28,584	8,465	1,127	2,775
Illinois	7,260,639	2,746,560	2,083,905	1,976,230	46,255	383,529	23,981	180
Michigan	5,272,373	1,766,889	1,498,984	1,909,834	53,706	40,265	—	2,696
Wisconsin	2,223,721	869,791	675,200	642,343	24,443	10,138	—	1,806
East North Central	**25,696,445**	**9,204,438**	**7,219,974**	**8,387,516**	**209,757**	**637,224**	**29,434**	**8,103**
Minnesota	1,673,322	508,106	289,715	845,453	17,487	12,373	—	188
Iowa	1,322,429	554,451	354,790	378,053	16,625	18,476	—	33
Missouri	2,570,675	1,059,508	990,404	478,430	24,696	17,554	—	83
North Dakota	216,208	93,640	67,907	48,362	3,386	2,803	—	111
South Dakota	219,870	89,903	67,641	58,240	2,630	1,455	—	1
Nebraska	—	—	—	—	—	—	—	—
Kansas	1,268,544	520,813	443,541	287,468	15,360	1,336	—	27
West North Central	**7,271,048**	**2,826,421**	**2,213,998**	**2,096,006**	**80,184**	**53,996**	**—**	**443**
Delaware	418,337	161,538	133,168	119,829	3,705	—	—	97
Maryland	2,923,469	1,258,119	648,933	967,585	34,123	—	12,076	2,633
District of Columbia	584,583	90,320	322,120	153,717	5,038	—	13,389	—
Virginia	3,822,058	1,703,955	1,139,214	571,336	35,913	371,640	—	—
West Virginia	1,086,617	441,550	265,184	372,586	6,286	1,011	—	—
North Carolina	4,243,410	1,709,548	1,171,973	1,273,639	25,976	61,967	—	306
South Carolina	2,158,480	791,959	542,999	791,234	8,599	23,106	—	583
Georgia	3,615,753	1,196,228	1,283,903	1,092,066	31,314	4,960	7,282	—
Florida	7,778,498	4,250,511	2,669,221	602,638	57,679	184,504	5,305	8,639
South Atlantic	**26,631,205**	**11,603,727**	**8,176,715**	**5,944,630**	**208,633**	**647,187**	**38,052**	**12,259**
Kentucky	1,506,141	493,390	360,193	364,110	11,020	277,387	—	40
Tennessee	65,683	25,981	13,976	23,930	418	1,377	—	—
Alabama	2,166,962	825,645	551,634	777,580	11,906	—	—	197
Mississippi	1,050,313	404,865	330,492	283,761	10,773	20,242	—	181
East South Central	**4,789,099**	**1,749,881**	**1,256,295**	**1,449,381**	**34,117**	**299,006**	**—**	**418**
Arkansas	1,294,262	543,144	329,323	393,516	9,355	18,923	—	—
Louisiana	3,210,112	1,181,899	821,201	1,029,223	27,939	98,243	—	51,608
Oklahoma	1,563,209	675,731	456,601	327,905	11,668	91,303	—	—
Texas	10,838,648	4,446,716	3,063,843	2,987,224	80,796	259,180	—	889
West South Central	**16,906,231**	**6,847,490**	**4,670,969**	**4,737,867**	**129,758**	**467,650**	**—**	**52,497**
Montana	339,544	118,043	103,226	109,362	5,433	2,760	—	720
Idaho	585,964	226,001	186,193	170,629	2,994	133	—	14
Wyoming	343,556	61,875	59,908	219,054	1,963	747	—	9
Colorado	1,147,058	408,879	567,575	147,954	17,908	4,742	—	—
New Mexico	715,311	233,135	271,497	165,593	6,908	36,560	—	1,618
Arizona	1,868,651	780,946	710,165	349,123	15,196	13,222	—	—
Utah	667,243	236,802	204,986	199,194	4,515	21,721	—	25
Nevada	809,345	303,924	225,839	255,738	5,403	18,441	—	—
Mountain	**6,476,672**	**2,369,605**	**2,329,390**	**1,616,646**	**60,319**	**98,327**	**—**	**2,386**
Washington	1,244,476	637,191	416,750	178,825	11,062	1	—	646
Oregon	1,288,646	533,175	445,437	294,499	13,406	8	—	2,121
California	14,632,654	5,407,060	5,977,090	3,062,222	119,529	34,255	18,567	13,930
Pacific	**17,165,776**	**6,577,427**	**6,839,278**	**3,535,546**	**143,997**	**34,265**	**18,567**	**16,698**
Alaska	31,228	14,069	7,736	8,343	210	871	—	—
Hawaii	749,845	238,103	223,320	282,930	5,492	—	—	—
Alaska & Hawaii	**781,073**	**252,172**	**231,056**	**291,273**	**5,702**	**871**	**—**	**—**

Note: Total may not equal sum of components due to independent rounding.
r Revised.

TABLE 61

REVENUES
TOTAL ELECTRIC UTILITY INDUSTRY

BY QUARTER AND CLASS OF SERVICE
1986 - 1991 — THOUSANDS OF DOLLARS

Year — Quarter	Total from Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-depart-mental
YEAR — 1991p								
First Quarter	$ 43,432,101	$18,482,281	$12,946,302	$10,543,060	$ 421,725	$ 923,034	$ 83,267	$ 32,431
Second Quarter ..	43,969,441	17,357,315	13,871,959	11,224,074	414,285	983,094	83,016	35,698
Third Quarter	53,587,569	22,950,714	16,423,785	12,598,736	417,667	1,068,825	83,022	39,820
Fourth Quarter	42,037,549	16,877,592	13,011,975	10,680,327	411,750	954,124	83,015	18,767
Total	**$183,026,661**	**$75,667,902**	**$56,254,021**	**$45,046,197**	**$1,665,427**	**$3,929,077**	**$337,320**	**$126,716**
YEAR — 1990r								
First Quarter	$ 41,790,539	$17,578,044	$12,366,031	$10,439,507	$ 407,849	$ 877,894	$ 83,205	$ 38,008
Second Quarter ..	40,985,806	15,746,742	12,911,855	10,948,541	399,578	855,959	78,966	44,165
Third Quarter	51,368,148	21,782,841	15,693,483	12,383,619	406,167	968,796	88,506	44,736
Fourth Quarter	42,323,456	16,558,652	13,221,633	11,094,137	419,774	907,558	86,943	34,728
Total	**$176,467,949**	**$71,666,279**	**$54,193,002**	**$44,865,804**	**$1,633,369**	**$3,610,237**	**$337,620**	**$161,637**
YEAR — 1989								
First Quarter	$ 40,510,844	$17,152,976	$11,800,480	$10,214,383	$ 382,550	$ 837,335	$ 80,278	$ 42,840
Second Quarter ..	39,882,091	15,261,865	12,431,332	10,827,174	380,510	858,464	78,359	44,387
Third Quarter	48,467,832	20,226,324	14,821,465	11,952,515	390,193	940,849	86,324	50,163
Fourth Quarter	40,766,014	16,118,877	12,508,433	10,751,730	391,045	881,714	84,012	30,201
Total	**$169,626,780**	**$68,760,042**	**$51,561,710**	**$43,745,803**	**$1,544,298**	**$3,518,362**	**$328,974**	**$167,591**
YEAR — 1988								
First Quarter	$ 39,016,776	$16,609,748	$11,367,297	$ 9,745,162	$ 375,630	$ 806,241	$ 72,820	$ 39,878
Second Quarter ..	37,228,913	14,195,361	11,643,545	10,103,272	374,611	800,063	70,981	41,080
Third Quarter	47,508,839	20,425,241	14,339,204	11,350,597	375,715	892,538	79,181	46,363
Fourth Quarter	38,633,330	15,172,189	11,791,099	10,362,271	377,843	809,472	73,233	47,223
Total	**$162,387,858**	**$66,402,539**	**$49,141,145**	**$41,561,302**	**$1,503,799**	**$3,308,314**	**$296,215**	**$174,544**
YEAR — 1987								
First Quarter	$ 36,911,176	$15,538,031	$10,723,967	$ 9,365,935	$ 374,345	$ 781,436	$ 78,582	$ 48,879
Second Quarter ..	36,781,292	14,105,104	11,280,178	10,080,790	386,840	803,299	72,248	52,832
Third Quarter	45,058,203	19,146,820	13,469,845	11,050,602	372,533	889,609	76,886	51,907
Fourth Quarter	36,949,564	14,259,104	11,271,117	10,133,281	375,527	798,914	73,919	37,702
Total	**$155,700,236**	**$63,049,059**	**$46,745,107**	**$40,630,608**	**$1,509,246**	**$3,273,260**	**$301,635**	**$191,321**
YEAR — 1986								
First Quarter	$ 37,653,132	$15,555,169	$10,724,906	$10,047,285	$ 384,848	$ 801,638	$ 83,113	$ 56,171
Second Quarter ..	35,577,168	13,238,115	10,967,967	10,112,652	363,391	772,993	74,248	47,802
Third Quarter	43,036,318	17,967,869	12,873,376	10,821,908	379,282	856,022	77,953	59,908
Fourth Quarter	36,200,506	14,149,450	10,844,037	9,924,209	370,909	783,510	76,657	51,733
Total	**$152,467,123**	**$60,910,603**	**$45,410,286**	**$40,906,054**	**$1,498,431**	**$3,214,164**	**$311,971**	**$215,614**

Note: Total may not equal sum of components due to independent rounding.
p Preliminary. r Revised.

TABLE 62

REVENUES
INVESTOR-OWNED ELECTRIC UTILITIES

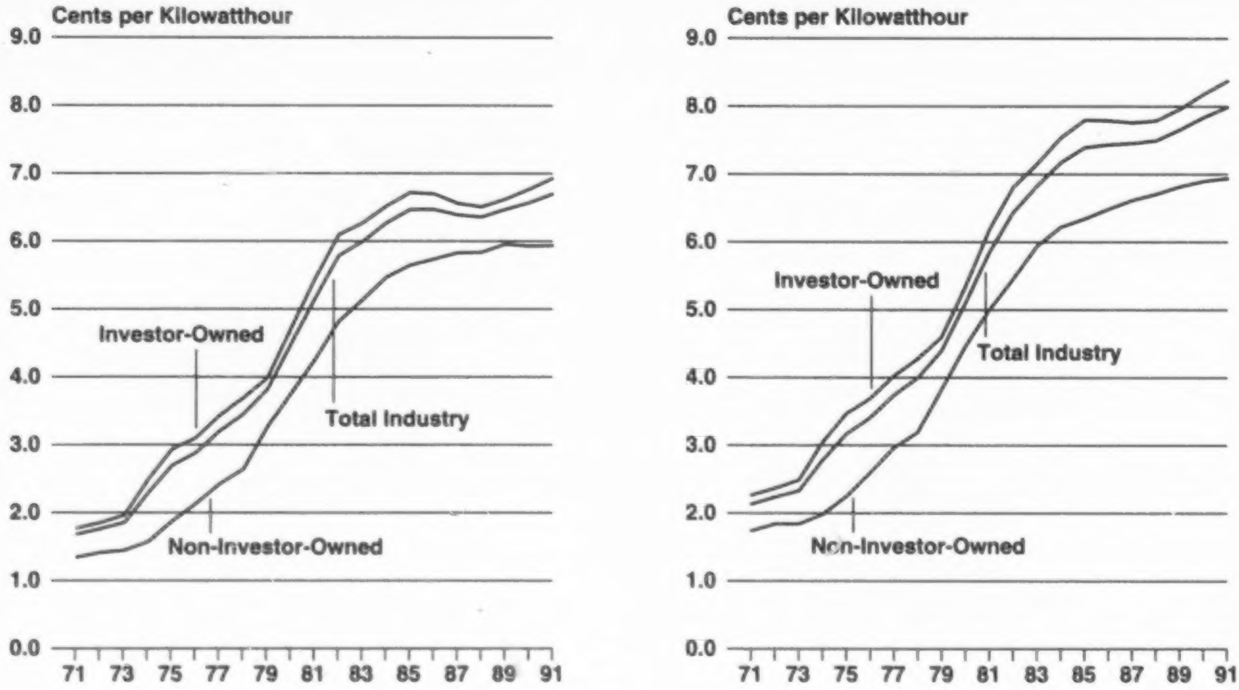
BY QUARTER AND CLASS OF SERVICE
1986 -- 1991 — THOUSANDS OF DOLLARS

Year — Quarter	Total from Ultimate Customers	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Inter-departmental
YEAR — 1991p								
First Quarter	$ 34,359,805	$14,109,503	$10,899,047	$ 8,306,092	$ 322,224	$ 659,141	$ 42,663	$ 21,135
Second Quarter	35,129,202	13,390,551	11,728,689	8,905,346	316,764	720,130	44,630	23,092
Third Quarter	42,652,611	17,509,577	13,905,425	10,064,837	318,943	781,276	47,115	25,437
Fourth Quarter	33,264,435	12,870,232	10,907,805	8,436,089	310,669	689,454	42,836	7,350
Total	**$145,406,053**	**$57,879,864**	**$47,440,965**	**$35,712,363**	**$1,268,601**	**$2,850,001**	**$177,244**	**$ 77,015**
YEAR — 1990r								
First Quarter	$ 32,894,312	$13,364,000	$10,389,532	$ 8,144,284	$ 309,936	$ 620,632	$ 39,361	$ 26,567
Second Quarter	32,381,385	11,974,699	10,832,158	8,600,446	305,944	602,252	38,359	27,527
Third Quarter	40,542,122	16,480,099	13,221,931	9,773,808	305,964	689,909	44,182	26,228
Fourth Quarter	33,663,005	12,730,959	11,153,678	8,759,704	318,525	636,145	41,587	22,407
Total	**$139,480,825**	**$54,549,758**	**$45,597,299**	**$35,278,242**	**$1,240,369**	**$2,548,938**	**$163,490**	**$102,729**
YEAR — 1989								
First Quarter	$ 31,804,758	$13,007,953	$ 9,914,745	$ 7,925,593	$ 301,705	$ 588,499	$ 37,109	$ 29,154
Second Quarter	31,496,177	11,632,728	10,465,522	8,421,900	300,116	608,721	37,290	29,898
Third Quarter	38,302,758	15,352,666	12,527,818	9,367,986	304,277	673,727	42,552	33,732
Fourth Quarter	32,274,336	12,331,967	10,532,851	8,417,037	306,430	628,430	41,774	15,847
Total	**$133,878,029**	**$52,325,314**	**$43,440,937**	**$34,132,516**	**$1,212,529**	**$2,499,378**	**$158,725**	**$108,631**
YEAR — 1988								
First Quarter	$ 30,586,173	$12,527,596	$ 9,517,873	$ 7,613,950	$ 296,877	$ 568,046	$ 34,928	$ 26,903
Second Quarter	29,529,510	10,825,823	9,766,111	8,012,865	294,898	567,262	36,094	26,457
Third Quarter	37,670,370	15,538,788	12,079,763	9,046,994	293,534	639,658	41,923	29,710
Fourth Quarter	30,454,303	11,580,278	9,873,402	8,065,573	295,837	568,740	37,206	33,266
Total	**$128,240,356**	**$50,472,485**	**$41,237,149**	**$32,739,382**	**$1,181,146**	**$2,343,706**	**$150,151**	**$116,336**
YEAR — 1987								
First Quarter	$ 29,191,233	$11,800,957	$ 9,036,665	$ 7,431,625	$ 297,824	$ 549,082	$ 38,253	$ 36,828
Second Quarter	29,218,560	10,756,656	9,518,678	7,990,445	309,364	568,263	36,243	38,911
Third Quarter	35,718,875	14,535,734	11,393,379	8,780,918	293,624	641,314	37,062	36,844
Fourth Quarter	29,184,191	10,868,726	9,488,438	7,907,738	297,601	562,040	35,778	23,871
Total	**$123,312,860**	**$47,962,072**	**$39,437,160**	**$32,110,727**	**$1,198,413**	**$2,320,698**	**$147,336**	**$136,454**
YEAR — 1986								
First Quarter	$ 29,895,007	$11,835,967	$ 9,061,657	$ 8,028,150	$ 304,671	$ 578,054	$ 42,513	$ 43,995
Second Quarter	28,374,923	10,096,138	9,292,294	8,064,825	285,522	563,399	37,802	34,943
Third Quarter	34,075,844	13,538,755	10,889,298	8,642,478	298,067	624,166	38,258	44,822
Fourth Quarter	28,728,696	10,771,084	9,139,116	7,882,870	289,695	568,473	38,272	39,186
Total	**$121,074,470**	**$46,241,943**	**$38,382,364**	**$32,618,323**	**$1,177,956**	**$2,334,092**	**$156,846**	**$162,947**

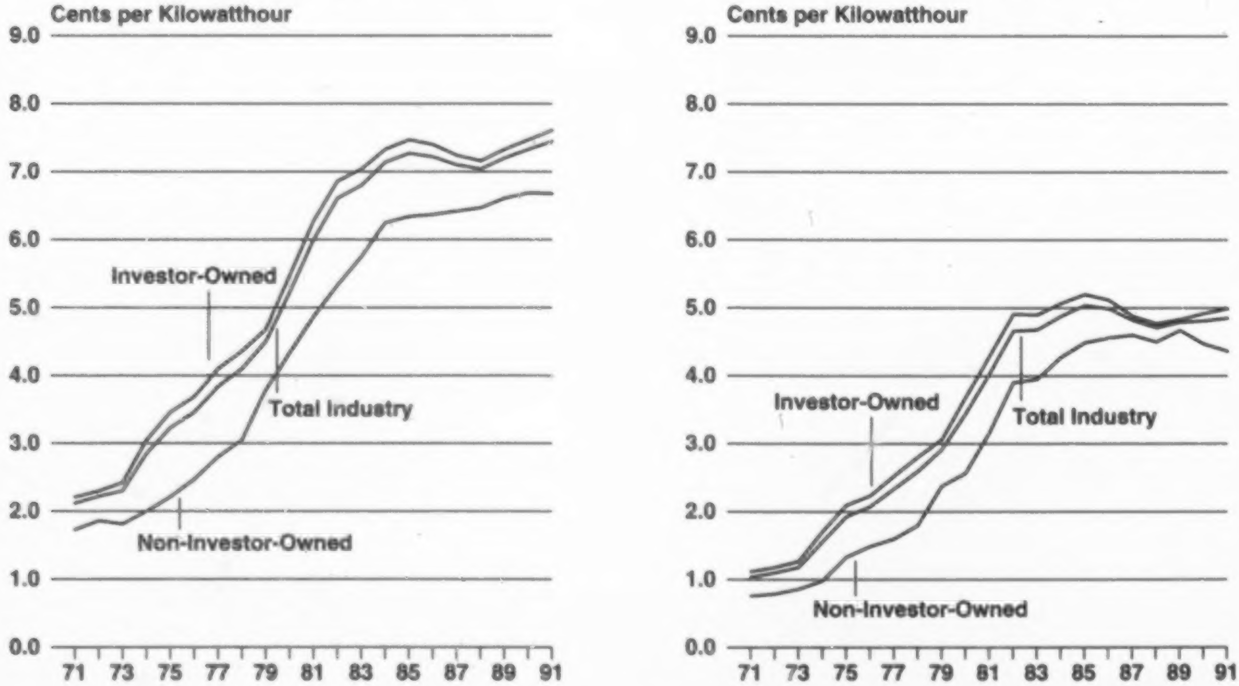
Note: Total may not equal sum of components due to independent rounding.
p Preliminary. r Revised.

CHART VIII-C

AVERAGE REVENUES PER KWH SOLD


TOTAL ULTIMATE CUSTOMERS

RESIDENTIAL CUSTOMERS


COMMERCIAL CUSTOMERS

INDUSTRIAL CUSTOMERS

Based on sales data in Tables 38 and 39, page 43, and revenue data in Tables 56 and 57, page 64.

TABLE 63

AVERAGE REVENUES PER KILOWATTHOUR SOLD TOTAL ELECTRIC UTILITY INDUSTRY

CENTS PER KILOWATTHOUR

Year	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Total Ultimate Customers
1991p	**7.98¢**	**7.45¢**	**4.85¢**	**10.90¢**	**5.13¢**	**6.43¢**	**6.70¢**
1990r	7.83	7.33	4.81	10.74	4.96	6.42	6.57
1989	7.65	7.20	4.79	10.60	5.07	6.21	6.47
1988	7.49	7.04	4.71	10.29	5.12	5.83	6.36
1987	7.45	7.10	4.82	10.49	5.19	6.16	6.39
1986	7.43	7.22	4.99	9.96	5.19	6.65	6.47
1985	7.39	7.27	5.04	10.08	5.09	6.66	6.47
1984	7.17	7.14	4.88	9.69	5.08	6.75	6.27
1983	6.83	6.80	4.68	9.50	5.00	6.90	6.00
1982	6.44	6.61	4.66	8.81	4.72	6.80	5.79
1981	5.86	6.00	4.03	7.96	4.18	5.67	5.16
1980	5.12	5.22	3.44	7.02	3.75	4.86	4.49
1979	4.43	4.50	2.91	6.21	3.06	4.43	3.82
1978	4.03	4.10	2.59	5.74	2.73	3.92	3.46
1977	3.78	3.84	2.33	5.39	2.69	3.46	3.21
1976	3.45	3.46	2.07	5.03	2.44	3.78	2.89
1975	3.21	3.23	1.92	4.74	2.24	3.72	2.70
1974	2.83	2.85	1.55	4.31	1.92	3.43	2.30
1973	2.38	2.30	1.17	3.83	1.47	2.20	1.86
1972	2.29	2.22	1.09	3.69	1.37	1.92	1.77
1971	2.19	2.12	1.03	3.53	1.29	1.72	1.69

Based on sales data in Table 38 and revenue data in Table 56. p Preliminary. r Revised.

TABLE 64

AVERAGE REVENUES PER KILOWATTHOUR SOLD INVESTOR-OWNED ELECTRIC UTILITIES

CENTS PER KILOWATTHOUR

Year	Residential	Commercial	Industrial	Street and Highway Lighting	Other Public Authorities	Railroads and Railways	Total Ultimate Customers
1991p	**8.36¢**	**7.61¢**	**4.99¢**	**12.08¢**	**5.20¢**	**6.95¢**	**6.93¢**
1990r	8.17	7.47	4.92	11.84	5.00	6.58	6.77
1989	7.95	7.33	4.83	11.61	5.16	6.40	6.62
1988	7.78	7.16	4.77	11.36	5.28	6.26	6.51
1987	7.75	7.24	4.88	11.53	5.37	6.58	6.56
1986	7.78	7.40	5.12	11.38	5.43	6.94	6.70
1985	7.79	7.47	5.20	11.22	5.25	7.00	6.72
1984	7.53	7.33	5.07	10.78	5.26	6.97	6.52
1983	7.15	7.04	4.90	10.13	5.22	6.55	6.27
1982	6.81	6.86	4.91	9.54	4.80	6.77	6.10
1981	6.19	6.28	4.29	8.55	4.36	6.20	5.45
1980	5.36	5.47	3.68	7.58	3.95	5.17	4.72
1979	4.63	4.68	3.06	6.60	3.33	3.80	3.99
1978	4.31	4.36	2.80	6.18	2.96	3.59	3.70
1977	4.06	4.10	2.52	5.79	2.90	3.68	3.44
1976	3.73	3.69	2.23	5.43	2.69	3.82	3.11
1975	3.51	3.46	2.09	5.14	2.51	3.79	2.94
1974	3.09	3.05	1.70	4.66	2.17	3.48	2.50
1973	2.54	2.42	1.26	4.12	1.61	2.22	1.97
1972	2.42	2.30	1.17	3.95	1.50	1.94	1.86
1971	2.32	2.21	1.11	3.78	1.42	1.73	1.78

Based on sales data in Table 39 and revenue data in Table 57. p Preliminary. r Revised.

TABLE 65

AVERAGE ANNUAL REVENUE PER CUSTOMER

TOTAL ELECTRIC UTILITY INDUSTRY					INVESTOR-OWNED ELECTRIC UTILITIES				
Year	Total Ultimate Customers	Residential	Commercial	Industrial	Year	Total Ultimate Customers	Residential	Commercial	Industrial
1991p . . .	**$1,655.10**	**$776.73**	**$4,610.89**	**$86,013.46**	**1991p . . .**	**$1,717.57**	**$775.96**	**$5,070.57**	**$90,317.76**
1990r	1,614.22	744.03	4,494.39	86,347.48	1990r	1,666.85	740.04	4,914.86	89,897.13
1989	1,576.46	724.50	4,362.81	85,945.62	1989	1,625.50	720.74	4,777.05	90,211.75
1988	1,536.46	711.78	4,255.93	84,088.95	1988	1,584.24	706.82	4,638.54	88,899.76
1987	1,500.59	687.95	4,146.61	82,826.13	1987	1,551.79	683.65	4,547.63	88,447.85
1986	1,493.81	675.17	4,126.94	81,176.66	1986	1,553.65	671.60	4,548.55	88,389.35
1985	1,481.57	658.11	4,080.42	80,621.32	1985	1,555.15	661.10	4,522.66	88,394.19
1984	1,452.62	643.75	3,939.57	81,118.33	1984	1,511.99	640.47	4,346.35	82,193.29
1983	1,348.80	601.77	3,660.14	73,275.14	1983	1,397.10	599.44	4,011.41	75,219.20
1982	1,285.29	563.09	3,452.36	66,668.67	1982	1,338.79	562.54	3,867.11	74,322.38
1981	1,188.44	517.39	3,206.52	67,266.27	1981	1,239.87	514.38	3,499.79	N/A
1980	1,040.22	461.81	2,848.00	N/A	1980	1,083.26	457.29	3,022.55	N/A
1979	897.17	391.30	2,394.04	N/A	1979	928.41	387.34	2,555.09	N/A
1978	807.12	356.74	2,176.91	N/A	1978	858.50	363.56	2,384.37	N/A
1977	739.86	328.99	2,031.41	N/A	1977	789.43	336.24	2,234.30	N/A
1976	646.33	288.39	1,754.26	N/A	1976	692.11	297.14	1,942.05	N/A
1975	579.03	262.26	1,579.55	N/A	1975	626.39	275.86	1,763.39	N/A
1974	493.43	223.73	1,327.40	N/A	1974	534.25	234.33	1,474.97	N/A
1973	408.14	192.35	1,096.55	N/A	1973	433.66	197.38	1,197.68	N/A
1972	371.01	176.39	988.78	N/A	1972	391.66	179.49	1,071.15	N/A
1971	336.46	161.49	888.75	N/A	1971	354.57	163.64	961.77	N/A

Based on revenue data in Tables 56 and 57, and average number of customers per year.
p Preliminary. r Revised. N/A Not Available.

TABLE 66A

REVENUE AND USE PER TOTAL ULTIMATE CUSTOMER

BY STATE — 1991p

State/Division	Total Electric Utility Industry: Avg. Annual Revenue per Customer	Total Electric Utility Industry: Avg. Revenue per kWh Sold	Total Electric Utility Industry: Avg. Annual kWh Use per Customer	Investor-Owned Electric Utilities: Avg. Annual Revenue per Customer	Investor-Owned Electric Utilities: Avg. Revenue per kWh Sold	Investor-Owned Electric Utilities: Avg. Annual kWh Use per Customer
Total United States	**$1,655.10**	**6.70¢**	**24,709**	**$1,717.57**	**6.93¢**	**24,801**
Maine	1,523.52	8.60	17,716	1,536.74	8.58	17,908
New Hampshire	1,415.05	9.14	15,480	1,487.28	9.21	16,155
Vermont	1,364.04	8.38	16,270	1,414.71	8.19	17,267
Massachusetts	1,625.02	9.53	17,048	1,615.51	9.53	16,954
Rhode Island	1,488.82	10.17	14,643	1,492.99	10.16	14,702
Connecticut	1,812.43	9.60	18,878	1,800.65	9.69	18,576
New England	**1,616.54**	**9.40**	**17,198**	**1,323.51**	**9.42**	**17,235**
New York	1,766.92	9.79	18,047	1,692.18	10.53	16,070
New Jersey	1,841.67	9.47	19,456	1,847.85	9.46	19,536
Pennsylvania	1,781.02	8.04	22,153	1,815.78	8.01	22,662
Middle Atlantic	**1,787.41**	**9.07**	**19,708**	**1,765.80**	**9.31**	**18,962**
Ohio	1,864.12	6.09	30,620	1,955.37	6.08	32,177
Indiana	1,601.97	5.52	29,035	1,719.22	5.38	31,928
Illinois	1,835.00	7.64	24,030	1,862.61	7.61	24,466
Michigan	1,444.64	7.03	20,551	1,478.71	7.04	20,990
Wisconsin	1,225.41	5.46	22,428	1,244.52	5.44	22,863
East North Central	**1,649.11**	**6.49**	**25,417**	**1,710.00**	**6.48**	**26,370**
Minnesota	1,379.97	5.54	24,910	1,482.28	5.07	29,211
Iowa	1,381.75	5.90	23,418	1,440.88	5.81	24,820
Missouri	1,480.27	6.51	22,730	1,666.28	6.63	25,129
North Dakota	1,327.55	5.78	22,978	1,130.52	5.66	19,978
South Dakota	1,228.10	6.12	20,060	1,300.99	6.34	20,516
Nebraska	1,246.66	5.40	23,081	—	—	—
Kansas	1,550.24	6.58	23,565	1,641.23	6.43	25,534
West North Central	**1,413.03**	**6.04**	**23,412**	**1,539.23**	**5.98**	**25,748**
Delaware	1,780.96	6.69	26,639	1,927.52	6.46	29,858
Maryland	1,789.62	6.84	26,147	1,819.10	6.81	26,715
District of Columbia	2,898.24	6.25	46,348	2,898.24	6.25	46,348
Virginia	1,738.40	6.10	28,494	1,811.80	6.04	29,992
West Virginia	1,323.74	4.84	27,352	1,328.49	4.83	27,502
North Carolina	1,820.36	6.50	27,993	1,964.00	6.17	31,854
South Carolina	1,913.37	5.60	34,138	2,187.83	5.62	38,961
Georgia	1,770.61	6.52	27,156	2,146.76	6.31	34,000
Florida	1,568.19	7.17	21,868	1,572.57	7.07	22,236
South Atlantic	**1,716.01**	**6.49**	**26,437**	**1,806.21**	**6.36**	**28,400**
Kentucky	1,644.72	4.43	37,102	1,600.76	3.95	40,486
Tennessee	1,735.23	5.23	33,197	1,819.49	4.23	43,048
Alabama	1,809.89	5.66	31,954	1,967.39	5.84	33,697
Mississippi	1,750.11	6.04	28,993	2,001.11	6.42	31,179
East South Central	**1,736.38**	**5.24**	**33,124**	**1,837.85**	**5.13**	**35,821**
Arkansas	1,605.19	6.64	24,188	1,824.60	6.80	26,848
Louisiana	2,058.92	5.89	34,940	2,268.86	5.67	39,994
Oklahoma	1,456.10	5.87	24,797	1,574.48	5.49	28,672
Texas	1,936.94	6.06	31,983	2,159.78	5.98	36,109
West South Central	**1,860.73**	**6.05**	**30,741**	**2,077.46**	**5.93**	**35,056**
Montana	1,331.43	4.21	31,602	1,234.91	4.60	26,853
Idaho	1,413.97	3.82	37,053	1,454.95	3.73	39,022
Wyoming	2,053.45	4.27	48,036	2,198.37	3.85	57,075
Colorado	1,142.12	5.98	19,101	1,153.52	5.90	19,561
New Mexico	1,457.68	7.18	20,311	1,516.59	7.16	21,176
Arizona	2,006.85	7.84	25,593	2,089.92	8.63	24,220
Utah	1,398.54	5.44	25,685	1,389.31	5.37	25,893
Nevada	1,570.85	5.62	27,928	1,539.18	5.85	26,318
Mountain	**1,535.89**	**5.97**	**25,747**	**1,541.19**	**5.93**	**25,986**
Washington	1,355.71	3.44	39,380	1,225.83	4.90	25,001
Oregon	1,349.63	4.24	31,795	1,291.58	4.67	27,681
California	1,462.34	8.51	17,189	1,462.75	8.95	16,350
Pacific	**1,437.68**	**6.66**	**21,571**	**1,426.13**	**7.86**	**16,141**
Alaska	1,790.42	9.66	18,529	1,903.76	9.91	19,205
Hawaii	2,081.67	9.22	22,578	2,081.67	9.22	22,578
Alaska & Hawaii	**1,972.28**	**9.37**	**21,058**	**2,073.77**	**9.25**	**22,429**

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TABLE 66B

REVENUE AND USE PER TOTAL ULTIMATE CUSTOMER

BY STATE — 1990r

	Total Electric Utility Industry			Investor-Owned Electric Utilities		
State/Division	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer
Total United States	**$1,614.22**	**6.57¢**	**24,551**	**$1,666.85**	**6.77¢**	**24,627**
Maine	1,392.81	7.65	18,210	1,403.05	7.61	18,429
New Hampshire	1,396.54	9.06	15,420	1,475.93	9.13	16,173
Vermont	1,355.51	8.07	16,792	1,415.40	8.01	17,664
Massachusetts	1,536.97	8.83	17,408	1,508.76	8.75	17,234
Rhode Island	1,349.29	9.14	14,760	1,352.48	9.13	14,819
Connecticut	1,731.08	9.17	18,886	1,721.09	9.24	18,623
New England	**1,532.63**	**8.79**	**17,439**	**1,531.39**	**8.78**	**17,450**
New York	1,699.57	9.36	18,164	1,621.59	10.02	16,180
New Jersey	1,735.30	9.13	19,014	1,741.27	9.12	19,092
Pennsylvania	1,686.26	7.64	22,073	1,719.86	7.61	22,591
Middle Atlantic	**1,702.70**	**8.67**	**19,644**	**1,679.33**	**8.89**	**18,899**
Ohio	1,791.77	5.94	30,188	1,881.56	5.92	31,778
Indiana	1,571.66	5.58	28,183	1,691.54	5.44	31,091
Illinois	1,619.57	7.00	23,125	1,643.75	6.97	23,575
Michigan	1,426.15	7.06	20,211	1,460.16	7.08	20,630
Wisconsin	1,169.73	5.38	21,741	1,188.47	5.36	22,170
East North Central	**1,558.82**	**6.29**	**24,794**	**1,615.98**	**6.27**	**25,757**
Minnesota	1,286.48	5.33	24,121	1,413.30	4.91	28,762
Iowa	1,333.88	5.93	22,512	1,391.15	5.82	23,887
Missouri	1,427.04	6.52	21,872	1,612.75	6.65	24,264
North Dakota	1,287.21	5.79	22,226	1,095.14	5.71	19,192
South Dakota	1,173.28	6.12	19,178	1,242.40	6.30	19,707
Nebraska	1,250.21	5.56	22,506	—	—	—
Kansas	1,503.55	6.59	22,815	1,600.82	6.48	24,701
West North Central	**1,357.88**	**6.01**	**22,609**	**1,485.29**	**5.95**	**24,980**
Delaware	1,693.56	6.43	26,348	1,834.79	6.20	29,577
Maryland	1,620.41	6.30	25,715	1,648.52	6.27	26,293
District of Columbia	2,672.90	5.94	45,030	2,672.90	5.94	45,030
Virginia	1,667.35	6.01	27,721	1,739.06	5.96	29,187
West Virginia	1,278.39	4.73	27,026	1,283.08	4.72	27,178
North Carolina	1,807.96	6.51	27,757	1,945.28	6.16	31,603
South Carolina	1,909.13	5.61	34,044	2,182.08	5.62	38,811
Georgia	1,782.85	6.57	27,144	2,165.97	6.37	34,012
Florida	1,537.75	7.03	21,877	1,537.12	6.92	22,225
South Atlantic	**1,674.87**	**6.39**	**26,226**	**1,756.08**	**6.24**	**28,154**
Kentucky	1,691.54	4.68	36,182	1,548.36	3.94	39,291
Tennessee	1,732.06	5.24	33,039	1,708.12	4.16	41,093
Alabama	1,767.71	5.56	31,790	1,921.76	5.69	33,773
Mississippi	1,715.40	6.11	28,064	2,004.19	6.44	31,114
East South Central	**1,729.38**	**5.30**	**32,647**	**1,798.50**	**5.08**	**35,371**
Arkansas	1,593.92	6.72	23,723	1,813.61	6.89	26,335
Louisiana	2,091.62	5.99	34,945	2,305.94	5.77	39,963
Oklahoma	1,377.56	5.61	24,570	1,488.14	5.24	28,415
Texas	1,843.42	5.74	32,110	2,041.66	5.63	36,288
West South Central	**1,796.17**	**5.84**	**30,733**	**1,997.20**	**5.69**	**35,076**
Montana	1,246.40	3.97	31,365	1,127.27	4.25	26,499
Idaho	1,431.62	3.79	37,745	1,474.77	3.71	39,794
Wyoming	2,067.49	4.22	48,949	2,226.27	3.81	58,477
Colorado	1,120.79	5.89	19,020	1,131.63	5.81	19,480
New Mexico	1,449.38	7.04	20,599	1,508.26	7.19	20,971
Arizona	2,013.21	7.71	26,106	2,052.75	8.47	24,240
Utah	1,379.05	5.47	25,227	1,370.87	5.38	25,471
Nevada	1,561.19	5.39	28,964	1,523.42	5.65	26,944
Mountain	**1,522.95**	**5.86**	**25,996**	**1,517.12**	**5.82**	**26,068**
Washington	1,378.78	3.47	39,690	1,228.19	4.88	25,193
Oregon	1,341.81	4.18	32,077	1,279.63	4.60	27,799
California	1,557.61	8.81	17,685	1,567.84	9.37	16,740
Pacific	**1,514.20**	**6.88**	**22,000**	**1,511.96**	**8.18**	**18,475**
Alaska	1,684.52	9.21	18,290	1,807.93	9.54	18,953
Hawaii	2,044.86	9.02	22,663	2,044.86	9.02	22,663
Alaska & Hawaii	**1,907.27**	**9.09**	**20,993**	**2,034.21**	**9.04**	**22,496**

r Revised.

TABLE 67A

REVENUE AND USE PER RESIDENTIAL CUSTOMER

BY STATE — 1991p

	Total Electric Utility Industry			Investor-Owned Electric Utilities		
State/Division	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer
Total United States	**$ 776.73**	**7.98¢**	**9,738**	**$ 775.96**	**8.36¢**	**9,281**
Maine	700.13	10.45	6,697	699.97	10.46	6,689
New Hampshire	717.92	10.16	7,068	735.02	10.39	7,072
Vermont	671.42	8.96	7,490	685.69	8.95	7,660
Massachusetts	685.40	10.41	6,585	687.27	10.59	6,490
Rhode Island	669.70	10.99	6,092	669.52	10.98	6,096
Connecticut	841.37	10.51	8,007	846.50	10.57	8,006
New England	**726.17**	**10.38**	**6,996**	**732.51**	**10.51**	**6,972**
New York	743.85	11.97	6,213	750.89	12.31	6,101
New Jersey	800.25	10.81	7,401	799.97	10.81	7,398
Pennsylvania	815.71	9.62	8,482	815.77	9.61	8,488
Middle Atlantic	**779.76**	**10.80**	**7,222**	**782.64**	**10.93**	**7,161**
Ohio	790.42	8.15	9,703	797.88	8.35	9,560
Indiana	733.22	6.66	11,005	707.77	6.61	10,714
Illinois	808.44	9.88	8,183	793.53	10.01	7,927
Michigan	568.50	7.85	7,238	575.46	7.89	7,294
Wisconsin	579.20	6.75	8,580	560.22	6.79	8,256
East North Central	**712.04**	**8.11**	**8,783**	**707.73**	**8.26**	**8,568**
Minnesota	648.98	7.04	9,213	524.04	6.79	7,719
Iowa	753.85	7.67	9,824	709.27	8.00	8,865
Missouri	799.77	7.39	10,829	817.63	7.66	10,680
North Dakota	727.35	6.22	11,698	584.99	6.05	9,675
South Dakota	736.97	6.97	10,569	635.84	7.39	8,603
Nebraska	653.58	6.01	10,867	—	—	—
Kansas	767.56	7.81	9,833	780.70	7.69	10,148
West North Central	**733.00**	**7.21**	**10,162**	**703.71**	**7.48**	**9,411**
Delaware	844.71	8.60	9,823	848.50	8.64	9,821
Maryland	919.81	7.94	11,578	911.50	7.94	11,477
District of Columbia	538.55	6.58	8,185	538.55	6.58	8,185
Virginia	930.43	7.34	12,684	931.59	7.32	12,728
West Virginia	634.13	5.91	10,734	634.53	5.90	10,760
North Carolina	961.70	7.84	12,263	938.57	7.57	12,394
South Carolina	925.47	7.15	12,950	948.84	7.22	13,144
Georgia	835.78	7.43	11,246	802.77	7.44	10,783
Florida	967.90	7.92	12,223	974.50	7.91	12,322
South Atlantic	**914.15**	**7.62**	**11,996**	**908.41**	**7.58**	**11,991**
Kentucky	700.25	5.63	12,433	641.00	5.26	12,176
Tennessee	852.50	5.70	14,956	819.90	4.86	16,875
Alabama	861.38	6.67	12,909	872.04	7.01	12,435
Mississippi	878.40	6.93	12,680	916.68	7.38	12,422
East South Central	**822.26**	**6.12**	**13,429**	**795.54**	**6.41**	**12,404**
Arkansas	869.19	8.06	10,783	903.95	8.39	10,771
Louisiana	961.45	7.37	13,038	953.09	7.22	13,200
Oklahoma	801.68	7.10	11,292	783.50	6.81	11,506
Texas	967.80	7.61	12,724	1,031.11	7.76	13,296
West South Central	**935.73**	**7.55**	**12,398**	**977.24**	**7.60**	**12,852**
Montana	578.56	5.88	9,834	516.04	5.73	9,007
Idaho	705.47	4.88	14,447	704.13	4.83	14,568
Wyoming	548.46	6.02	9,117	497.72	5.96	8,351
Colorado	507.35	7.07	7,176	466.33	7.14	6,533
New Mexico	569.71	9.13	6,239	574.37	8.87	6,473
Arizona	984.85	9.17	10,735	982.45	9.75	10,075
Utah	548.53	7.05	7,776	556.09	7.34	7,580
Nevada	662.49	5.91	11,218	661.80	5.92	11,172
Mountain	**680.39**	**7.36**	**9,242**	**651.26**	**7.27**	**8,953**
Washington	627.10	4.43	14,160	687.93	5.21	13,206
Oregon	636.92	4.83	13,186	623.71	4.94	12,624
California	604.79	9.76	6,197	626.76	10.18	6,155
Pacific	**610.68**	**7.71**	**7,925**	**632.06**	**8.58**	**7,368**
Alaska	893.12	10.96	8,147	1,066.23	10.20	10,458
Hawaii	772.35	10.52	7,339	772.35	10.52	7,339
Alaska & Hawaii	**817.10**	**10.70**	**7,638**	**785.03**	**10.50**	**7,473**

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TABLE 67B

REVENUE AND USE PER RESIDENTIAL CUSTOMER

BY STATE — 1990r

State/Division	Total Electric Utility Industry			Investor-Owned Electric Utilities		
	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer
Total United States	**$ 744.03**	**7.83¢**	**9,506**	**$ 740.04**	**8.17¢**	**9,056**
Maine	650.37	9.30	6,994	648.75	9.27	6,995
New Hampshire	713.67	10.06	7,095	732.36	10.29	7,116
Vermont	678.75	8.64	7,855	700.47	8.75	8,004
Massachusetts	651.79	9.64	6,759	644.53	9.71	6,637
Rhode Island	604.59	9.83	6,149	604.15	9.82	6,153
Connecticut	797.20	10.01	7,963	802.65	10.06	7,976
New England	**690.93**	**9.70**	**7,120**	**692.81**	**9.78**	**7,085**
New York	703.63	11.41	6,166	710.33	11.73	6,056
New Jersey	735.79	10.40	7,072	735.59	10.41	7,069
Pennsylvania	758.21	9.20	8,239	758.31	9.20	8,245
Middle Atlantic	**728.72**	**10.33**	**7,053**	**731.52**	**10.46**	**6,993**
Ohio	728.29	8.08	9,011	735.26	8.28	8,880
Indiana	690.59	6.84	10,097	666.29	6.79	9,818
Illinois	701.57	9.35	7,502	688.49	9.47	7,270
Michigan	537.56	7.78	6,908	543.73	7.82	6,953
Wisconsin	539.37	6.65	8,113	521.53	6.68	7,805
East North Central	**650.38**	**7.96**	**8,174**	**645.55**	**8.10**	**7,973**
Minnesota	581.10	6.81	8,536	487.00	6.59	7,388
Iowa	723.17	7.82	9,253	680.41	8.15	8,349
Missouri	741.70	7.36	10,084	757.11	7.62	9,931
North Dakota	703.63	6.26	11,232	565.91	6.09	9,290
South Dakota	700.99	6.97	10,055	604.80	7.39	8,185
Nebraska	648.41	6.23	10,402	—	—	—
Kansas	736.27	7.85	9,381	752.19	7.77	9,680
West North Central	**687.58**	**7.20**	**9,546**	**662.83**	**7.46**	**8,880**
Delaware	785.58	8.36	9,395	789.11	8.40	9,394
Maryland	796.93	7.22	11,032	789.75	7.22	10,936
District of Columbia	470.49	6.10	7,711	470.49	6.10	7,711
Virginia	873.01	7.22	12,091	873.85	7.21	12,125
West Virginia	595.83	5.89	10,113	596.21	5.88	10,137
North Carolina	944.78	7.87	12,012	916.94	7.56	12,130
South Carolina	921.40	7.15	12,893	941.53	7.19	13,088
Georgia	849.56	7.47	11,370	817.13	7.50	10,899
Florida	945.52	7.76	12,181	948.17	7.74	12,246
South Atlantic	**883.06**	**7.49**	**11,789**	**870.32**	**7.42**	**11,735**
Kentucky	648.02	5.68	11,405	588.74	5.30	11,101
Tennessee	836.06	5.71	14,629	758.17	4.74	15,983
Alabama	833.49	6.57	12,684	843.50	6.88	12,256
Mississippi	856.88	6.91	12,397	907.88	7.35	12,347
East South Central	**793.13**	**6.12**	**12,958**	**761.78**	**6.40**	**11,908**
Arkansas	854.39	8.12	10,520	888.56	8.46	10,508
Louisiana	975.43	7.40	13,178	966.95	7.25	13,341
Oklahoma	759.43	6.84	11,101	742.21	6.56	11,312
Texas	913.10	7.18	12,724	963.64	7.25	13,293
West South Central	**897.09**	**7.25**	**12,366**	**930.56**	**7.26**	**12,825**
Montana	532.48	5.45	9,763	473.80	5.30	8,940
Idaho	682.17	4.88	13,974	680.85	4.83	14,090
Wyoming	530.86	6.00	8,849	481.74	5.94	8,105
Colorado	495.47	7.03	7,051	455.05	7.09	6,421
New Mexico	557.67	8.97	6,216	562.68	8.77	6,414
Arizona	981.55	9.06	10,833	970.25	9.55	10,164
Utah	536.10	7.10	7,554	543.57	7.38	7,362
Nevada	656.70	5.79	11,351	656.94	5.81	11,303
Mountain	**666.95**	**7.28**	**9,157**	**636.04**	**7.18**	**8,855**
Washington	633.89	4.46	14,216	709.39	5.22	13,580
Oregon	621.54	4.75	13,091	610.90	4.86	12,560
California	633.44	9.96	6,350	660.60	10.48	6,303
Pacific	**632.52**	**7.88**	**8,029**	**660.64**	**8.80**	**7,508**
Alaska	834.39	9.85	8,469	969.22	9.39	10,327
Hawaii	752.41	10.26	7,334	752.41	10.26	7,334
Alaska & Hawaii	**783.38**	**10.09**	**7,763**	**761.92**	**10.21**	**7,465**

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TABLE 68A

REVENUE AND USE PER COMMERCIAL CUSTOMER

BY STATE — 1991p

	Total Electric Utility Industry			Investor-Owned Electric Utilities		
State/Division	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer
Total United States	**$4,610.89**	**7.45¢**	**61,874**	**$5,070.57**	**7.61¢**	**66,590**
Maine	3,559.74	9.06	39,305	3,650.51	9.05	40,348
New Hampshire	2,674.03	9.43	28,355	2,725.21	9.49	28,719
Vermont	3,587.36	8.75	41,021	4,052.56	8.66	46,807
Massachusetts	6,256.78	9.23	67,806	6,540.43	9.15	71,494
Rhode Island	5,432.97	9.97	54,486	5,463.06	9.96	54,824
Connecticut	7,987.69	9.49	84,152	8,196.54	9.49	86,355
New England	**5,678.72**	**9.33**	**60,869**	**5,905.56**	**9.29**	**63,548**
New York	6,223.15	10.88	57,193	6,315.73	10.99	57,478
New Jersey	6,544.30	9.26	70,682	6,601.54	9.25	71,390
Pennsylvania	4,768.70	8.36	57,073	4,828.92	8.35	57,821
Middle Atlantic	**5,849.97**	**9.72**	**60,173**	**5,929.37**	**9.77**	**60,716**
Ohio	5,388.81	7.55	71,348	5,760.04	7.60	75,817
Indiana	3,940.96	5.96	66,098	4,201.41	5.90	71,161
Illinois	5,771.95	8.04	71,813	5,827.40	8.08	72,161
Michigan	4,358.18	7.95	54,799	4,373.38	8.13	53,811
Wisconsin	3,333.21	5.83	57,160	3,571.31	5.82	61,380
East North Central	**4,786.03**	**7.34**	**65,201**	**4,986.70**	**7.39**	**67,483**
Minnesota	2,806.53	6.14	45,723	2,387.15	5.96	40,066
Iowa	2,739.77	6.25	43,808	2,906.77	6.26	46,467
Missouri	4,804.18	6.38	75,258	5,566.57	6.53	85,287
North Dakota	2,886.33	6.51	44,347	2,372.77	6.25	37,992
South Dakota	2,470.65	6.89	35,844	2,548.34	7.10	35,869
Nebraska	2,646.46	5.80	45,612	—	—	—
Kansas	4,060.72	6.62	61,380	4,913.78	6.39	76,934
West North Central	**3,494.35**	**6.33**	**55,229**	**3,894.37**	**6.38**	**61,044**
Delaware	5,352.74	7.01	76,336	6,117.94	6.81	89,774
Maryland	4,007.51	7.05	56,815	4,036.95	7.04	57,318
District of Columbia	13,025.62	6.64	196,074	13,025.62	6.64	196,074
Virginia	4,912.49	6.06	81,001	5,384.19	6.01	89,650
West Virginia	2,901.71	5.41	53,654	2,913.84	5.40	53,962
North Carolina	3,998.80	6.41	62,415	4,015.49	6.16	65,134
South Carolina	3,611.03	6.17	58,554	3,879.14	6.15	63,088
Georgia	5,597.32	7.39	75,752	6,838.62	7.33	93,346
Florida	4,948.65	6.78	72,983	5,097.88	6.64	76,827
South Atlantic	**4,670.14**	**6.64**	**70,384**	**4,944.39**	**6.51**	**75,900**
Kentucky	2,700.47	5.31	50,874	3,135.21	5.06	61,906
Tennessee	1,477.03	6.43	22,967	3,793.46	4.94	76,817
Alabama	3,109.27	6.83	45,524	3,980.32	6.83	58,238
Mississippi	3,261.09	7.25	44,969	4,637.03	7.28	63,661
East South Central	**2,503.70**	**6.40**	**39,117**	**3,820.54**	**6.28**	**60,875**
Arkansas	3,695.42	6.90	53,542	4,208.62	6.86	61,368
Louisiana	4,915.91	7.06	69,636	5,605.43	6.95	80,666
Oklahoma	3,475.82	6.15	56,524	4,124.09	5.79	71,190
Texas	4,704.19	6.64	70,829	5,364.11	6.64	80,810
West South Central	**4,473.85**	**6.67**	**67,121**	**5,150.94**	**6.61**	**77,958**
Montana	2,467.59	5.11	48,268	2,518.19	4.86	51,779
Idaho	2,890.01	4.23	68,318	2,889.29	4.17	69,295
Wyoming	2,976.41	5.29	56,289	2,688.81	4.99	53,885
Colorado	4,028.73	5.79	69,572	5,087.80	5.55	91,749
New Mexico	4,307.97	8.07	53,352	5,111.87	8.41	60,749
Arizona	7,171.79	8.15	87,955	7,366.63	8.99	81,920
Utah	5,012.97	6.06	82,665	4,942.99	6.08	81,307
Nevada	3,364.20	6.32	53,249	3,355.21	6.40	52,441
Mountain	**4,451.24**	**6.50**	**68,438**	**4,672.99**	**6.47**	**72,248**
Washington	3,287.05	4.21	78,128	4,082.39	5.18	78,764
Oregon	3,377.08	4.78	70,655	3,558.83	5.05	70,495
California	4,898.61	9.10	53,811	5,058.12	9.47	53,407
Pacific	**4,555.60**	**7.80**	**58,433**	**4,838.90**	**8.48**	**57,034**
Alaska	5,995.04	9.29	64,528	4,105.90	13.03	31,503
Hawaii	4,790.16	10.33	46,355	4,790.16	10.33	46,355
Alaska & Hawaii	**5,252.76**	**9.85**	**53,332**	**4,763.06**	**10.41**	**45,766**

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TABLE 68B

REVENUE AND USE PER COMMERCIAL CUSTOMER

BY STATE — 1990r

	Total Electric Utility Industry			Investor-Owned Electric Utilities		
State/Division	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer
Total United States	**$ 4,494.39**	**7.33¢**	**61,277**	**$ 4,914.86**	**7.47¢**	**65,796**
Maine	3,206.04	8.02	39,963	3,280.20	8.00	40,993
New Hampshire	2,588.65	9.30	27,830	2,657.55	9.38	28,332
Vermont	3,567.03	8.48	42,054	4,021.43	8.44	47,619
Massachusetts	5,526.95	8.56	64,597	5,717.64	8.46	67,610
Rhode Island	4,883.78	8.92	54,727	4,908.55	8.92	55,053
Connecticut	7,522.44	9.12	82,480	7,717.00	9.12	84,640
New England	**5,187.03**	**8.73**	**59,386**	**5,371.99**	**8.69**	**61,842**
New York	6,000.88	10.47	57,321	6,093.80	10.57	57,675
New Jersey	6,223.81	8.99	69,221	6,278.08	8.98	69,911
Pennsylvania	4,461.02	8.08	55,242	4,517.59	8.07	55,968
Middle Atlantic	**5,581.43**	**9.41**	**59,341**	**5,659.36**	**9.45**	**59,908**
Ohio	5,107.82	7.49	68,207	5,460.46	7.53	72,487
Indiana	3,855.11	6.07	63,487	4,110.95	6.01	68,373
Illinois	5,067.07	7.27	69,656	5,108.11	7.29	70,027
Michigan	4,337.38	8.09	53,621	4,358.93	8.27	52,697
Wisconsin	3,220.53	5.82	55,374	3,450.72	5.80	59,462
East North Central	**4,505.65**	**7.15**	**63,002**	**4,690.52**	**7.19**	**65,225**
Minnesota	2,623.04	5.98	43,894	2,266.23	5.82	38,958
Iowa	2,631.80	6.31	41,690	2,790.60	6.31	44,192
Missouri	4,720.86	6.47	72,954	5,478.71	6.62	82,767
North Dakota	2,776.91	6.55	42,387	2,282.53	6.29	36,306
South Dakota	2,461.17	6.77	36,360	2,536.12	6.98	36,325
Nebraska	2,645.67	6.03	43,909	—	—	—
Kansas	3,975.73	6.64	59,856	4,857.52	6.45	75,334
West North Central	**3,397.35**	**6.37**	**53,350**	**3,794.45**	**6.42**	**59,108**
Delaware	5,137.07	6.89	74,563	5,870.83	6.70	87,681
Maryland	3,809.67	6.72	56,707	3,837.66	6.71	57,208
District of Columbia	12,138.05	6.35	191,166	12,138.05	6.35	191,166
Virginia	4,767.51	6.05	78,753	5,229.42	6.00	87,206
West Virginia	2,798.69	5.36	52,247	2,810.38	5.35	52,547
North Carolina	3,950.58	6.44	61,348	3,950.10	6.17	64,008
South Carolina	3,582.26	6.18	57,970	3,869.51	6.12	63,179
Georgia	5,511.95	7.39	74,588	6,750.68	7.33	92,119
Florida	4,829.91	6.66	72,502	4,958.66	6.50	76,254
South Atlantic	**4,561.56**	**6.57**	**69,450**	**4,821.10**	**6.43**	**74,949**
Kentucky	2,618.20	5.38	48,680	3,060.33	5.13	59,639
Tennessee	1,462.41	6.52	22,427	3,611.91	4.90	73,692
Alabama	3,000.33	6.74	44,518	3,861.98	6.73	57,419
Mississippi	3,229.16	7.28	44,365	4,634.03	7.31	63,383
East South Central	**2,448.38**	**6.42**	**38,124**	**3,742.06**	**6.27**	**59,652**
Arkansas	3,642.02	7.01	51,962	4,146.79	6.97	59,533
Louisiana	4,977.06	7.13	69,759	5,674.43	7.03	80,772
Oklahoma	3,307.93	5.89	56,145	3,920.82	5.55	70,660
Texas	4,413.53	6.18	71,449	5,017.68	6.10	82,214
West South Central	**4,272.02**	**6.34**	**67,382**	**4,910.60**	**6.24**	**78,687**
Montana	2,245.33	4.74	47,329	2,287.70	4.51	50,773
Idaho	3,022.16	4.24	71,213	3,020.92	4.18	72,209
Wyoming	2,909.02	5.25	55,378	2,626.71	4.96	52,992
Colorado	3,940.28	5.72	68,915	4,968.01	5.47	90,835
New Mexico	4,217.94	7.53	56,034	4,997.17	8.32	60,084
Arizona	7,134.93	8.15	87,574	7,186.54	8.88	80,884
Utah	4,978.41	6.25	79,611	4,916.50	6.27	78,397
Nevada	3,332.62	6.13	54,336	3,328.19	6.22	53,523
Mountain	**4,402.10**	**6.42**	**68,573**	**4,598.91**	**6.38**	**72,033**
Washington	3,195.32	4.15	77,003	3,931.47	5.13	76,665
Oregon	3,321.30	4.73	70,283	3,506.02	5.02	69,888
California	5,312.93	9.46	56,142	5,355.42	9.81	54,587
Pacific	**4,853.68**	**8.07**	**60,159**	**5,069.37**	**8.78**	**57,763**
Alaska	5,726.32	8.81	65,012	3,865.38	12.44	31,079
Hawaii	4,652.72	10.18	45,719	4,652.72	10.18	45,719
Alaska & Hawaii	**5,067.33**	**9.53**	**53,170**	**4,621.20**	**10.24**	**45,133**

r Revised.

TABLE 69A

REVENUE AND USE PER INDUSTRIAL CUSTOMER

BY STATE — 1991p

	Total Electric Utility Industry			Investor-Owned Electric Utilities		
State/Division	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer
Total United States	**$ 86,013.46**	**4.85¢**	**1,774,171**	**$ 90,317.76**	**4.99¢**	**1,808,682**
Maine	107,338.20	6.71	1,600,068	109,633.49	6.69	1,639,886
New Hampshire	147,519.60	7.70	1,916,615	147,054.71	7.72	1,903,944
Vermont	97,900.10	6.98	1,402,624	496,604.48	6.25	7,940,299
Massachusetts	67,451.76	8.50	793,090	77,060.85	8.25	933,529
Rhode Island	49,650.76	9.11	544,779	49,656.68	9.09	546,315
Connecticut	99,367.93	7.93	1,253,561	91,473.31	8.09	1,130,116
New England	**82,515.31**	**7.91**	**1,043,138**	**89,892.22**	**7.79**	**1,154,193**
New York	151,897.98	6.15	2,468,154	173,859.28	7.10	2,447,690
New Jersey	89,136.15	7.70	1,157,056	88,703.69	7.68	1,154,369
Pennsylvania	95,978.39	6.32	1,519,555	96,447.63	6.31	1,528,373
Middle Atlantic	**107,312.05**	**6.49**	**1,653,240**	**109,932.30**	**6.79**	**1,618,840**
Ohio	90,002.97	4.13	2,178,104	92,181.87	4.10	2,246,946
Indiana	83,613.95	4.33	1,932,839	97,567.53	4.26	2,288,093
Illinois	315,593.88	5.50	5,740,485	348,087.94	5.48	6,351,286
Michigan	139,223.85	5.72	2,435,194	144,767.08	5.74	2,522,615
Wisconsin	140,938.01	4.04	3,490,586	212,734.84	4.00	5,320,323
East North Central	**123,788.77**	**4.73**	**2,616,152**	**135,331.16**	**4.72**	**2,869,193**
Minnesota	114,824.32	4.26	2,693,773	130,169.62	4.16	3,131,828
Iowa	123,320.52	4.00	3,084,675	165,369.05	3.89	4,252,551
Missouri	52,903.37	4.94	1,071,191	53,222.11	5.05	1,052,921
North Dakota	50,877.35	4.64	1,096,515	38,903.85	4.53	859,231
South Dakota	58,175.53	4.59	1,267,298	80,360.45	4.74	1,695,870
Nebraska	96,619.91	4.02	2,404,711	—	—	—
Kansas	40,944.14	4.90	835,971	39,148.82	4.88	802,507
West North Central	**73,954.53**	**4.42**	**1,674,610**	**78,086.40**	**4.38**	**1,781,226**
Delaware	245,953.30	4.71	5,219,002	330,090.19	4.50	7,334,218
Maryland	97,826.32	5.51	1,774,029	98,827.69	5.51	1,794,181
District of Columbia	1,011,646.34	5.43	18,615,854	1,011,646.34	5.43	18,615,854
Virginia	139,346.15	4.27	3,266,481	165,574.19	4.19	3,956,225
West Virginia	35,157.44	3.67	957,548	35,169.58	3.67	958,568
North Carolina	111,462.77	5.00	2,229,812	119,422.99	4.87	2,449,771
South Carolina	245,743.61	4.19	5,867,162	227,395.86	4.37	5,198,922
Georgia	90,230.49	4.79	1,884,924	90,141.90	4.71	1,915,507
Florida	40,285.54	5.27	764,922	31,058.02	4.88	636,661
South Atlantic	**88,330.56**	**4.76**	**1,857,403**	**85,534.82**	**4.70**	**1,818,751**
Kentucky	113,073.80	4.19	2,695,927	80,858.72	3.69	2,193,251
Tennessee	79,431.04	4.66	1,706,200	154,807.23	3.41	4,536,145
Alabama	115,515.78	4.46	2,590,786	146,718.16	4.51	3,251,392
Mississippi	92,914.36	4.56	2,037,669	75,930.34	4.75	1,600,000
East South Central	**94,985.54**	**4.49**	**2,115,256**	**106,384.54**	**4.29**	**2,479,263**
Arkansas	22,534.04	4.95	455,341	18,298.57	5.33	343,051
Louisiana	73,247.12	4.16	1,762,144	81,161.91	4.05	2,006,218
Oklahoma	26,529.06	3.95	671,576	25,196.05	3.74	673,481
Texas	60,319.92	4.13	1,461,677	59,820.96	4.06	1,472,911
West South Central	**49,621.36**	**4.18**	**1,186,567**	**48,829.02**	**4.11**	**1,187,868**
Montana	53,824.68	2.89	1,864,562	35,830.40	3.56	1,007,154
Idaho	49,581.83	2.59	1,911,604	53,673.36	2.56	2,099,061
Wyoming	77,671.05	3.52	2,204,678	73,896.28	3.26	2,267,316
Colorado	225,907.51	4.49	5,027,250	753,797.98	4.51	16,717,172
New Mexico	46,230.92	4.84	954,922	36,873.85	4.73	778,797
Arizona	102,245.09	5.67	1,801,806	76,719.76	6.42	1,195,733
Utah	26,515.10	3.96	669,813	24,237.36	3.79	638,827
Nevada	404,890.67	4.96	8,166,667	386,537.48	5.44	7,104,668
Mountain	**69,832.77**	**4.17**	**1,675,822**	**59,245.28**	**4.22**	**1,404,345**
Washington	81,054.06	2.38	3,402,053	24,547.94	3.59	684,566
Oregon	62,102.37	3.17	1,961,235	48,133.94	3.74	1,286,411
California	101,064.86	6.74	1,498,803	440,974.56	6.65	6,635,782
Pacific	**91,748.00**	**4.72**	**1,944,972**	**162,176.99**	**5.93**	**2,733,043**
Alaska	51,427.15	5.96	862,583	17,762.01	7.26	244,541
Hawaii	398,615.60	7.71	5,168,263	398,615.60	7.71	5,168,263
Alaska & Hawaii	**243,542.30**	**7.50**	**3,246,979**	**251,911.69**	**7.70**	**3,271,657**

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TABLE 69B

REVENUE AND USE PER INDUSTRIAL CUSTOMER

BY STATE — 1990r

	Total Electric Utility Industry			Investor-Owned Electric Utilities		
State/Division	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer	Avg. Annual Revenue per Customer	Avg. Revenue per kWh Sold	Avg. Annual kWh Use per Customer
Total United States	**$ 86,347.48**	**4.81¢**	**1,793,467**	**$ 89,897.13**	**4.92¢**	**1,827,987**
Maine	98,860.59	5.96	1,659,679	101,182.69	5.93	1,707,263
New Hampshire	145,360.79	7.66	1,898,586	146,496.52	7.69	1,905,636
Vermont	85,758.91	6.59	1,301,126	451,471.43	6.05	7,457,143
Massachusetts	64,706.44	7.86	823,090	72,366.19	7.51	962,958
Rhode Island	44,360.66	8.37	530,309	44,340.38	8.34	531,694
Connecticut	97,220.08	7.57	1,283,510	89,693.31	7.70	1,165,323
New England	**78,582.96**	**7.40**	**1,062,236**	**85,176.85**	**7.25**	**1,175,340**
New York	150,200.99	5.77	2,602,409	172,358.51	6.64	2,594,829
New Jersey	91,915.41	7.42	1,239,049	91,545.52	7.40	1,236,836
Pennsylvania	92,123.62	5.97	1,543,500	92,568.79	5.96	1,552,339
Middle Atlantic	**105,210.71**	**6.14**	**1,714,396**	**107,745.37**	**6.41**	**1,679,987**
Ohio	92,962.04	4.07	2,286,308	95,265.52	4.04	2,359,754
Indiana	87,138.76	4.38	1,989,755	101,825.58	4.32	2,359,075
Illinois	295,195.26	5.08	5,814,702	325,734.30	5.06	6,436,295
Michigan	143,246.92	5.81	2,464,620	148,671.49	5.84	2,546,474
Wisconsin	148,823.35	3.99	3,733,577	226,097.50	3.95	5,729,673
East North Central	**125,082.83**	**4.63**	**2,701,289**	**136,480.02**	**4.62**	**2,956,880**
Minnesota	110,057.82	4.14	2,660,317	124,734.88	4.03	3,092,210
Iowa	119,840.12	3.98	3,009,084	160,600.25	3.87	4,145,285
Missouri	57,608.47	5.05	1,141,808	58,189.01	5.17	1,126,490
North Dakota	50,838.94	4.69	1,084,034	38,970.19	4.58	851,732
South Dakota	56,880.78	4.51	1,260,392	78,596.49	4.66	1,685,560
Nebraska	100,860.87	4.09	2,469,022	—	—	—
Kansas	40,276.65	4.91	821,027	38,565.60	4.93	782,399
West North Central	**74,141.42**	**4.39**	**1,688,296**	**78,244.21**	**4.36**	**1,796,177**
Delaware	234,956.87	4.48	5,239,617	315,339.47	4.28	7,363,158
Maryland	92,001.95	5.10	1,804,131	92,947.65	5.09	1,824,592
District of Columbia	937,298.78	5.17	18,146,341	937,298.78	5.17	18,146,341
Virginia	137,782.98	4.22	3,262,799	164,697.61	4.14	3,977,227
West Virginia	35,420.41	3.56	993,929	35,433.76	3.56	995,055
North Carolina	111,028.24	5.03	2,206,408	118,566.28	4.90	2,419,661
South Carolina	241,168.51	4.20	5,735,362	222,882.82	4.42	5,045,070
Georgia	89,023.51	4.87	1,827,388	88,973.93	4.80	1,855,222
Florida	37,653.46	5.18	727,424	29,336.87	4.79	612,306
South Atlantic	**85,315.67**	**4.69**	**1,817,554**	**82,511.59**	**4.63**	**1,780,529**
Kentucky	133,781.13	4.86	2,755,484	80,823.53	3.70	2,185,572
Tennessee	81,722.93	4.68	1,746,504	148,633.54	3.37	4,416,149
Alabama	116,138.85	4.39	2,643,586	147,744.63	4.39	3,365,571
Mississippi	93,630.60	4.71	1,986,090	77,445.69	4.83	1,603,439
East South Central	**100,047.03**	**4.64**	**2,154,865**	**106,627.01**	**4.24**	**2,511,955**
Arkansas	23,153.97	5.07	456,644	18,798.83	5.47	343,955
Louisiana	72,812.44	4.22	1,726,158	80,679.08	4.11	1,964,568
Oklahoma	26,052.44	3.70	705,001	24,723.29	3.50	706,627
Texas	57,983.57	4.01	1,444,279	57,388.12	3.94	1,456,093
West South Central	**48,704.03**	**4.11**	**1,184,693**	**47,854.34**	**4.03**	**1,186,070**
Montana	47,184.05	2.84	1,660,885	29,422.11	3.29	895,615
Idaho	49,138.87	2.60	1,889,855	53,188.59	2.56	2,074,501
Wyoming	81,279.79	3.51	2,315,945	77,294.99	3.25	2,380,734
Colorado	226,468.91	4.41	5,139,496	774,628.27	4.39	17,643,979
New Mexico	47,987.74	5.06	947,461	38,163.86	4.94	772,989
Arizona	95,530.05	5.60	1,706,845	69,685.23	6.22	1,119,760
Utah	28,940.19	3.88	745,463	26,506.19	3.72	712,176
Nevada	412,102.86	4.65	8,860,000	388,069.80	5.20	7,468,892
Mountain	**70,157.56**	**4.10**	**1,711,433**	**58,849.19**	**4.11**	**1,432,019**
Washington	86,073.11	2.49	3,462,903	23,859.24	3.51	680,187
Oregon	62,363.64	3.16	1,972,701	47,622.74	3.70	1,288,325
California	110,804.80	7.29	1,520,786	503,986.50	7.31	6,896,161
Pacific	**99,255.23**	**5.04**	**1,967,657**	**178,969.88**	**6.43**	**2,782,060**
Alaska	55,524.22	7.04	788,927	19,357.31	7.72	250,580
Hawaii	400,183.88	7.57	5,285,714	400,183.88	7.57	5,285,714
Alaska & Hawaii	**245,154.09**	**7.51**	**3,263,035**	**255,951.67**	**7.58**	**3,379,735**

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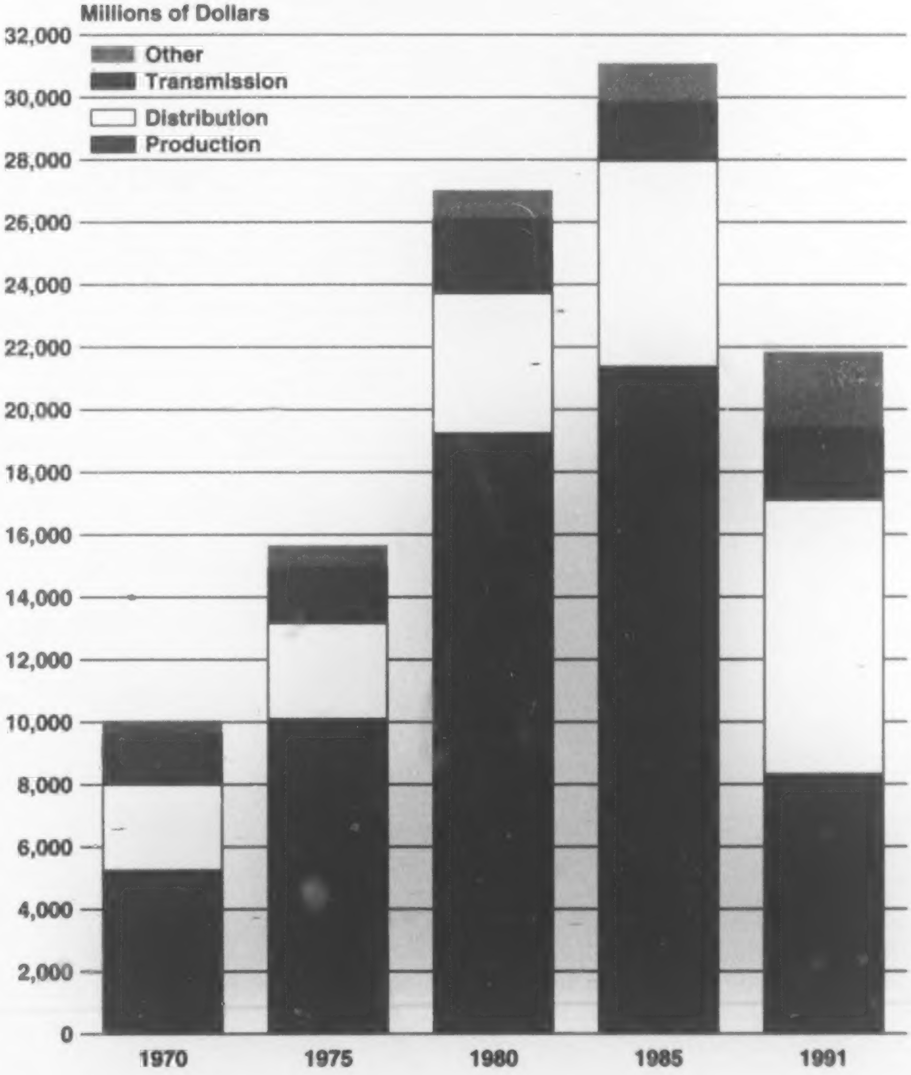
SECTION IX

FINANCIAL

CHART IX-A

CONSTRUCTION EXPENDITURES

INVESTOR-OWNED ELECTRIC UTILITIES



Based on Table 70, page 84.

TABLE 70

CONSTRUCTION EXPENDITURES INVESTOR-OWNED ELECTRIC UTILITIES

BY TYPE OF PLANT
MILLIONS OF DOLLARS

	1991p	1990r	1989	1988	1987	1986	1985	1984	1983	1982	1981
Production											
Steam	$ 4,084	$ 3,951	$ 4,044	$ 3,946	$ 4,478	$ 4,333	$ 4,725	$ 5,569	$ 5,860	$ 7,828	$ 7,221
Nuclear	3,206	3,837	4,768	5,272	9,239	13,426	15,553	17,478	18,208	16,461	12,785
Other	1,032	1,045	1,091	740	678	724	1,095	893	868	1,050	906
Total	**8,321**	**8,833**	**9,903**	**9,959**	**14,395**	**18,483**	**21,372**	**23,939**	**24,935**	**25,339**	**20,912**
Transmission	2,293	2,441	2,512	1,942	2,066	1,761	1,863	2,250	2,371	2,203	2,270
Distribution	8,781	9,100	8,685	8,224	7,457	7,248	6,590	5,899	5,021	4,827	4,606
General/Miscellaneous*	2,437	2,163	1,997	1,725	1,585	1,808	1,266	1,355	1,489	1,233	1,336
Subtotal	**21,833**	**22,537**	**23,097**	**21,851**	**25,503**	**29,299**	**31,091**	**33,443**	**33,816**	**33,602**	**29,124**
Nuclear Fuel	1,537	1,650	1,663	1,780	1,532	1,724	2,202	1,842	1,749	1,748	1,566
GRAND TOTAL	**$23,370**	**$24,187**	**$24,760**	**$23,630**	**$27,035**	**$31,023**	**$33,294**	**$35,285**	**$35,565**	**$35,350**	**$30,690**
AFUDC included in TOTAL	$ 1,121	$ 1,708	$ 2,241	$ 2,711	$ 4,579	$ 5,659	$ 6,941	$ 7,923	$ 7,816	$ 6,612	$ 5,358

	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971
Production										
Steam	$ 7,498	$ 7,572	$ 6,664	$ 6,529	$ 5,689	$ 5,062	$ 5,323	$ 4,923	$ 4,306	$ 3,507
Nuclear	11,045	9,855	8,813	7,273	5,815	4,545	3,969	3,270	2,920	2,410
Other	695	854	655	614	460	487	802	662	691	620
Total	**19,238**	**18,281**	**16,132**	**14,416**	**11,964**	**10,094**	**10,094**	**8,855**	**7,917**	**6,537**
Transmission	2,353	2,090	1,738	1,687	1,832	1,771	2,145	1,878	1,749	1,818
Distribution	4,483	4,334	3,875	3,390	2,974	3,075	3,538	3,568	3,192	2,869
General/Miscellaneous*	937	776	1,192	788	590	710	880	758	605	633
Subtotal	**27,011**	**25,481**	**22,937**	**20,281**	**17,360**	**15,650**	**16,702**	**15,059**	**13,463**	**11,857**
Nuclear Fuel	1,324	1,338	1,093	1,016	798	541	490	232	265	361
GRAND TOTAL	**$28,335**	**$26,819**	**$24,030**	**$21,297**	**$18,158**	**$16,191**	**$17,192**	**$15,291**	**$13,728**	**$12,218**
AFUDC included in TOTAL	$ 4,365	$ 3,593	$ 2,717	$ 2,267	$ 1,854	$ 1,676	$ 1,576	$ 1,277	$ 1,078	$ 809

Note: Total may not equal sum of components due tc independent rounding.

This table has been restructured based on data submitted to the Institute. Data, compiled on a 50 state basis, now includes nuclear fuel and reflects the amount of AFUDC in the total. Construction expenditures are, in general, the gross amounts spent for construction of all kinds, including the acquisition of real estate and all necessary equipment. The figures include money spent for replacements, additions, and betterments (but not for maintenance of existing plant) as well as for new construction.

**Includes intangible plant.*

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TABLE 71

COMBINED BALANCE SHEETS — DECEMBER 31ST INVESTOR-OWNED ELECTRIC UTILITIES

INTERCOMPANY TRANSACTIONS ELIMINATED
MILLIONS OF DOLLARS

	1991p	1990r	1989	1988	1987	1986
ASSETS						
Utility Plant:						
Electric	$482,128	$459,801	$433,958	$415,505	$387,154	$348,400
Other	28,439	28,179	23,666	22,266	21,886	21,698
Total Utility Plant	**510,567**	**487,980**	**457,624**	**437,771**	**409,039**	**370,097**
Accumulated Provision for Depreciation and Amortization	160,034	147,136	135,544	123,517	112,029	102,243
Net Utility Plant	**350,532**	**340,844**	**322,079**	**314,254**	**297,011**	**267,854**
Construction Work in Progress	19,969	23,700	35,206	39,928	51,510	74,978
Nuclear Fuel	20,592	20,162	19,873	19,518	18,440	15,009
Accumulated Provision for Amortization of Nuclear Fuel Assemblies	13,781	12,516	11,514	10,307	8,697	6,466
Net Nuclear Fuel	**6,811**	**7,646**	**8,359**	**9,211**	**9,744**	**8,543**
Net Total Utility Plant	**377,312**	**372,190**	**365,644**	**363,394**	**358,264**	**351,375**
Other Property and Investment*	21,224	20,634	18,768	16,015	15,174	11,887
Total Current and Accrued Assets	43,617	42,738	43,840	41,275	41,515	38,824
Total Deferred Debits	36,814	36,309	33,404	27,780	24,916	21,635
Total Assets	**$478,967**	**$471,871**	**$461,657**	**$448,464**	**$439,869**	**$423,722**
CAPITALIZATION AND LIABILITIES						
Capitalization:						
Common Capital Stock	$ 59,137	$ 56,884	$ 57,329	$ 58,351	$ 53,367	$ 51,658
Other Paid-In Capital Excluding Retained Earnings**	37,870	37,127	35,667	35,891	37,006	37,366
Retained Earnings	52,774	54,100	52,422	48,324	50,904	49,362
Total Common Capital Stock Equity	**149,781**	**148,111**	**145,419**	**142,567**	**141,277**	**138,386**
Preferred Stock	24,241	24,189	25,512	25,394	26,661	27,947
Long-Term Debt:						
Mortgage Bonds	124,348	121,668	119,361	118,711	115,358	115,370
Other Long-Term Debt	43,586	44,018	45,344	42,465	40,824	38,058
Total Long-Term Debt	**167,933**	**165,686**	**164,705**	**161,176**	**156,181**	**153,428**
Total Capitalization	**341,956**	**337,986**	**335,636**	**329,137**	**324,120**	**319,761**
Total Other Non-Current Liabilities	5,406	5,224	5,425	6,466	6,648	5,102
Total Current and Accrued Liabilities	53,687	52,041	46,081	44,469	44,715	40,419
Contribution in Aid of Construction	118	102	110	157	174	160
Deferred Income Taxes	49,669	48,031	45,588	43,178	39,535	35,465
Deferred Investment Tax Credits	14,865	15,410	15,952	16,552	16,983	16,760
Other Deferred Credits	13,267	13,078	12,866	8,506	7,695	6,055
Total Capitalization and Liabilities	**$478,967**	**$471,871**	**$461,657**	**$448,464**	**$439,869**	**$423,722**

Note: Total may not equal sum of components due to independent rounding. Data for prior years do not reflect restatements. Data based on reports as submitted by electric utilities, some of which report on a consolidated basis.

Data comprising "Net Total Utility Plant" has been reformatted to reflect changes made to Schedule VI of the Uniform Statistical Report. Previous years' data have been revised for comparability.

**Beginning 1990 "Other Property and Investment" includes decommissioning funds (1990 – $2,140 million; 1991 – $3,019 million).*

***Includes Premium on Common and Preferred Stock.*

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TABLE 72

COMBINED INCOME STATEMENTS — DECEMBER 31ST INVESTOR-OWNED ELECTRIC UTILITIES

INTERCOMPANY TRANSACTIONS ELIMINATED
MILLIONS OF DOLLARS

	1991p	1990r	1989	1988	1987	1986
	ELECTRIC DEPARTMENT ONLY					
Operating Revenues	**$153,902**	**$145,172**	**$140,883**	**$134,556**	**$129,437**	**$127,552**
Operating Expenses:						
Operation	73,186	69,843	66,200	63,269	59,693	57,975
Maintenance	11,896	11,693	11,267	10,913	10,304	9,688
Depreciation and Depletion	15,503	14,534	14,151	13,325	12,064	10,623
Amortization Charged to Operation	428	363	1,166	368	254	130
Property Losses Charged to Operation	231	475	312	399	396	412
Deferred Expenses	(59)	(323)	(727)	(930)	(1,110)	N/A
Taxes Other Than Income Taxes	12,264	11,419	10,823	10,362	9,766	9,390
Federal Income Taxes	6,587	6,112	6,070	4,952	5,884	5,877
State Income Taxes	1,130	1,010	970	873	827	807
Deferred Income Taxes:						
Federal	1,987	1,793	2,193	3,409	4,314	4,899
State	176	123	(777)	975	(551)	352
Investment Tax Credit Adjustment	(270)	(185)	(291)	(200)	588	1,209
Total Operating Expenses	**123,057**	**116,858**	**111,360**	**105,765**	**102,429**	**101,360**
Operating Income	$ 30,845	$ 29,314	$ 29,523	$ 28,790	$ 27,008	$ 26,191
	ALL DEPARTMENTS					
Operating Revenues	**$170,935**	**$162,593**	**$157,757**	**$150,733**	**$144,569**	**$144,939**
Operating Expenses:						
Operation	85,392	81,794	78,685	75,264	71,018	71,075
Maintenance	12,524	12,243	11,792	11,429	10,795	10,189
Depreciation and Depletion	16,543	15,474	15,038	14,143	12,848	11,416
Amortization Charged to Operation	654	552	1,342	531	350	274
Property Losses Charged to Operation	250	493	333	413	423	452
Deferred Expenses	(59)	(323)	(729)	(936)	(1,117)	N/A
Taxes Other Than Income Taxes	13,278	12,394	11,814	11,300	10,701	10,372
Federal Income Taxes	6,773	6,414	6,249	5,219	6,144	6,122
State Income Taxes	1,216	1,095	1,032	927	871	843
Deferred Income Taxes:						
Federal	2,132	1,790	2,418	3,597	4,455	5,062
State	178	110	(833)	(1,071)	(569)	446
Investment Tax Credit Adjustment	(294)	(183)	(303)	(211)	575	1,244
Total Operating Expenses	**138,587**	**131,851**	**126,835**	**120,603**	**116,492**	**117,494**
Operating Income	32,348	30,742	30,921	30,130	28,077	27,444
Other Income (Non-Operating) Net	(989)	406	506	(40)	1,510	2,459
Allowance for Other Funds Used During Construction	705	1,083	1,256	1,556	3,190	4,189
Income Before Interest Charges (Gross Income)	**32,064**	**32,232**	**32,683**	**31,646**	**32,777**	**34,093**
Interest Charges:						
Interest on Long-Term Debt	14,922	14,868	14,791	14,418	14,317	14,711
Interest on Short-Term Debt	554	613	576	572	492	372
Amortization of Debt Discount Expense and Premium	278	278	292	275	229	193
Other Interest Expense	779	738	457	418	392	553
Allowance for Borrowed Funds Used During Construction — Credit	(594)	(868)	(1,114)	(1,235)	(1,824)	(2,286)
Net Interest Charges	15,939	15,629	15,002	14,448	13,605	13,544
Income Before Extraordinary Items	**16,125**	**16,603**	**17,682**	**17,198**	**19,172**	**20,549**
Extraordinary Items*	(216)	182	(137)	(1,431)	(1,127)	(308)
Net Income	**15,909**	**16,785**	**17,544**	**15,766**	**18,045**	**20,241**
Preferred Dividend Charges	1,875	1,944	2,363	2,008	2,306	2,747
Available for Common Stock	**14,034**	**14,841**	**15,182**	**13,758**	**15,739**	**17,494**
Common Dividends	13,410	13,320	13,198	12,967	12,668	12,303
Net Income After Dividends	**$ 624**	**$ 1,520**	**$ 1,984**	**$ 791**	**$ 3,071**	**$ 5,190**

Note: Total may not equal sum of components due to independent rounding. See page 85 for footnote.
As of 1990, Deferred Income Taxes is shown as "Total Federal" (previously shown as "Property Related") and "Total State" (previously shown as "Non-Property Related").
** Beginning 1987, "Extraordinary Items" includes Cumulative Effects of a change in accounting principle.*
p Preliminary. r Revised. ( ) Denotes credit or negative value. N/A Not Applicable.

TABLE 73

DETAIL OF ELECTRIC OPERATION & MAINTENANCE EXPENSES INVESTOR-OWNED ELECTRIC UTILITIES

MILLIONS OF DOLLARS

	1991p	1990r	1989	1988	1987	1986
Production	$61,357	$59,153	$56,503	$53,884	$50,583	$49,254
Transmission and Distribution	7,510	7,208	7,048	6,829	6,602	6,251
Customer Accounts	3,191	3,221	2,997	2,871	2,836	2,723
Customer Service and Information	1,386	1,144	960	892	855	826
Sales	199	209	202	175	140	93
Administrative and General	11,438	10,601	9,757	9,530	8,982	8,514
Total Operation & Maintenance Expenses	**$85,081**	**$81,536**	**$77,467**	**$74,181**	**$69,998**	**$67,663**
Cost of Fuel*	$30,991	$32,184	$32,473	$31,421	$31,042	$31,195

Note Total may not equal sum of components due to independent rounding
**Included in "Total Operation & Maintenance Expenses."*
p Preliminary r Revised

TABLE 74

DETAIL OF TAXES — ELECTRIC DEPARTMENT ONLY INVESTOR-OWNED ELECTRIC UTILITIES

MILLIONS OF DOLLARS

	1991p		1990r		1989	
	Amount	% of Oper Revenue	Amount	% of Oper Revenue	Amount	% of Oper. Revenue
Federal Taxes						
Income	$ 6,587	4.3%	$ 6,112	4.2%	$ 6,070	4.3%
Deferred Taxes on Income*	1,987	1.3	1,793	1.2	1,951	1.4
Other Deferred Income Taxes**	(270)	N/A	(185)	N/A	(1,007)	N/A
Miscellaneous Taxes	1,222	0.8	1,319	0.9	1,097	0.8
Total Federal Taxes Charged to Income	9,526	6.4	9,039	6.3	8,112	6.5
State and Local Taxes	12,347	8.0	11,233	7.7	10,877	7.7
Total Taxes Charged to Income	**$21,873**	**14.4%**	**$20,272**	**14.0%**	**$21,873**	**14.2%**

	1988		1987		1986	
	Amount	% of Oper Revenue	Amount	% of Oper. Revenue	Amount	% of Oper. Revenue
Federal Taxes						
Income	$ 4,952	3.7%	$ 5,884	4.5%	$ 5,877	4.6%
Deferred Taxes on Income*	3,181	2.4	4,116	3.2	4,610	3.6
Other Deferred Income Taxes**	(1,046)	N/A	(8)	N/A	1,458	1.2
Miscellaneous Taxes	1,057	0.8	918	0.7	895	0.7
Total Federal Taxes Charged to Income	8,144	6.9	10,911	8.4	12,841	10.1
State and Local Taxes	10,278	7.6	9,919	7.7	9,694	7.6
Total Taxes Charged to Income	**$18,422**	**14.5%**	**$20,829**	**16.1%**	**$22,534**	**17.7%**

Note Total may not equal sum of components due to independent rounding.
**Due to liberalized depreciation and accelerated amortization.*
***Includes investment tax credits reported as charges to income for the current year.*
p Preliminary. r Revised. ( ) Denotes negative value. N/A Not Applicable.

TABLE 75

CAPITALIZATION AND CAPITALIZATION RATIOS INVESTOR-OWNED ELECTRIC UTILITIES

MILLIONS OF DOLLARS

	1991p	1990r	1989	1988	1987	1986
CAPITALIZATION OUTSTANDING						
Mortgage Bonds	$124,348	$121,668	$119,361	$118,711	$115,358	$115,370
Other Long-Term Debt	43,586	44,018	45,344	42,465	40,824	38,058
Total Long-Term Debt	**167,933**	**165,686**	**164,705**	**161,176**	**156,181**	**153,428**
Preferred Stock	24,241	24,189	25,512	25,394	26,661	27,947
Common Capital Stock	59,137	56,884	57,329	58,351	53,367	51,658
Other Paid-In Capital Excluding Retained Earnings*	37,870	37,127	35,667	35,891	37,006	37,366
Retained Earnings	52,774	54,100	52,422	48,324	50,904	49,362
Total Capitalization	**$341,956**	**$337,987**	**$335,636**	**$329,137**	**$324,120**	**$319,761**
CAPITALIZATION RATIOS						
Mortgage Bonds	36.4%	36.0%	35.6%	36.1%	35.6%	36.1%
Other Long-Term Debt	12.7	13.0	13.5	12.9	12.6	11.9
Total Long-Term Debt	**49.1**	**49.0**	**49.1**	**49.0**	**48.2**	**48.0**
Preferred Stock	7.1	7.2	7.6	7.7	8.2	8.7
Common Capital Stock Equity	43.8	43.8	43.3	43.3	43.6	43.3
Total Capitalization	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Note: Total may not equal sum of components due to independent rounding.

**Includes Premium on Common and Preferred Stock.*

p Preliminary. r Revised.

TABLE 76

STATEMENT OF CASH FLOWS
INVESTOR-OWNED ELECTRIC UTILITIES

MILLIONS OF DOLLARS

	1991p	1990r	1989
Operating Activities:			
Net Income	**$ 15,756**	**$ 16,477**	**$ 17,585**
Noncash Items Included in Net Income:			
Depreciation, Depletion and Amortization	19,583	18,755	17,985
Deferred Income Taxes (Net)	1,144	1,933	1,137
Allowance for Funds Used During Construction (Equity)	(706)	(1,134)	(1,335)
Other	2,932	823	(102)
Changes in Working Capital:			
Materials and Supplies, Fuel Inventories, Gas in Storage	229	(2,078)	(409)
Accounts Receivable (Net)	(1,099)	681	(1,257)
Other Current Assets	165	64	(654)
Accrued Taxes	547	(391)	963
Accounts Payable and Other Current Liabilities	1,876	277	3,312
Net Cash Provided By (Used For) Operating Activities	**$ 40,426**	**$ 35,407**	**$ 37,225**
Investing Activities:			
Construction Expenditures (excl. AFUDC-Equity)	$(25,769)	$(25,040)	$(25,348)
Purchase of Other Investments	(1,493)	(1,761)	(1,708)
Sale of Other Investments	2,057	705	911
Other	(1,992)	(2,708)	969
Net Cash Provided By (Used For) Investing Activities	**$(27,197)**	**$(28,803)**	**$(25,176)**
Financing Activities:			
Issuance of Common Stock (Net Proceeds)	$ 2,624	$ 1,776	$ 1,936
Issuance of Preferred/Preference Stock (Net Proceeds)	1,341	952	637
Redemption of Preferred/Preference Stock (Net Payments)	(1,718)	(1,243)	(1,404)
Redemption of Long-Term Debt (Net Proceeds)	(15,278)	(10,285)	(15,087)
Common Stock Dividends	(13,805)	(13,328)	(13,202)
Preferred/Preference Stock Dividends	(1,532)	(1,465)	(1,988)
Issuance of Long-Term Debt (Net Proceeds)	18,856	15,138	17,350
Increase (Decrease) in Short-Term Debt (Net)	(1,475)	2,505	165
Other Financing	(1,124)	(2,653)	(737)
Net Cash Provided By (Used For) Financing Activities	**$(12,113)**	**$ (8,603)**	**$(12,328)**
Net Increase (Decrease) in Cash and Cash Equivalents	**$ 1,116**	**$ (2,000)**	**$ (279)**

Note: Total may not equal sum of components due to independent rounding.
p Preliminary. r Revised.
( ) Denotes negative value.

TABLE 77

PUBLIC UTILITY LONG-TERM FINANCING INVESTOR-OWNED ELECTRIC UTILITIES

BY YEAR, TYPE OF ISSUE, PURPOSE AND TYPE OF UTILITY
1986 – 1991 — THOUSANDS OF DOLLARS

	1991	1990	1989	1988	1987	1986
ELECTRIC UTILITIES						
LONG-TERM DEBT						
New Capital	$ 4,886,990	$ 5,593,514	$ 8,337,462	$ 6,800,152	$ 8,687,727	$10,344,120
Refunding	3,963,883	1,724,245	2,656,750	3,100,730	5,238,655	11,047,01
Divestment	—	—	—	—	—	—
Total Long-Term Debt	**8,850,873**	**7,317,759**	**10,994,212**	**9,900,882**	**13,926,382**	**21,391,13**
PREFERRED STOCK						
New Capital	505,000	660,000	350,000	552,000	1,205,000	985,000
Refunding	67,850	55,850	370,000	195,500	753,000	695,600
Divestment	—	—	—	—	—	—
Total Preferred	**572,850**	**715,850**	**720,000**	**747,500**	**1,958,000**	**1,680,600**
COMMON STOCK						
New Capital	864,276	216,775	771,981	502,713	245,750	605,945
Refunding	68,000	—	—	—	—	33,750
Divestment	—	—	—	—	—	—
Total Common	**932,276**	**216,775**	**771,981**	**502,713**	**245,750**	**639,695**
TOTAL CAPITAL						
New Capital	6,256,266	6,470,289	9,459,443	7,854,865	10,138,477	11,935,065
Refunding	4,099,733	1,780,095	3,026,750	3,296,230	5,991,655	11,776,360
Divestment	—	—	—	—	—	—
Total Capital	**$10,355,999**	**$ 8,250,384**	**$12,486,193**	**$11,151,095**	**$16,130,132**	**$ 23,711,42**
GAS UTILITIES*						
LONG-TERM DEBT						
New Capital	$ 151,000	$ 1,073,000	$ 1,286,365	$ 2,565,995	$ 2,875,301	$ 2,768,600
Refunding	290,000	—	311,135	334,200	392,659	1,111,900
Divestment	—	—	—	—	—	—
Total Long-Term Debt	**441,000**	**1,073,000**	**1,597,500**	**2,900,195**	**3,267,960**	**3,880,500**
PREFERRED STOCK						
New Capital	—	75,000	65,000	15,000	251,125	—
Refunding	—	—	—	—	155,000	—
Divestment	—	—	—	—	—	—
Total Preferred	**—**	**75,000**	**65,000**	**15,000**	**406,125**	**—**
COMMON STOCK						
New Capital	85,975	238,744	334,486	212,936	93,744	224,269
Refunding	—	—	—	—	14,000	—
Divestment	—	—	—	—	—	—
Total Common	**85,975**	**238,744**	**334,486**	**212,936**	**107,744**	**224,269**
TOTAL CAPITAL						
New Capital	236,975	1,386,744	1,685,851	2,793,931	3,220,170	2,992,869
Refunding	290,000	—	311,135	334,200	561,659	1,111,900
Divestment	—	—	—	—	—	—
Total Capital	**$ 526,975**	**$ 1,386,744**	**$ 1,996,986**	**$ 3,128,131**	**$ 3,781,829**	**$ 4,104,769**
ALL OTHER UTILITIES+						
LONG-TERM DEBT						
New Capital	$ 1,364,100	$ 825,000	$ 887,428	$ 246,200	$ 1,057,246	$ 1,375,618
Refunding	1,628,500	400,000	987,072	—	365,000	7,950,382
Divestment	—	—	—	—	—	—
Total Long-Term Debt	**2,992,600**	**1,225,000**	**1,874,500**	**246,200**	**1,422,246**	**9,326,000**
PREFERRED STOCK						
New Capital	43,000	50,000	—	60,000	—	—
Refunding	—	—	—	—	—	—
Divestment	—	—	—	—	—	—
Total Preferred	**43,000**	**50,000**	**—**	**60,000**	**—**	**—**
COMMON STOCK						
New Capital	11,750	—	80,500	15,600	4,840	101,086
Refunding	9,450	—	—	—	—	—
Divestment	—	—	—	—	—	—
Total Common	**21,200**	**—**	**80,500**	**15,600**	**4,840**	**101,086**
TOTAL CAPITAL						
New Capital	1,418,850	875,000	967,928	321,800	1,062,086	1,476,704
Refunding	1,637,950	400,000	987,072	—	365,000	7,950,382
Divestment	—	—	—	—	—	—
Total Capital	**$ 3,056,800**	**$ 1,275,000**	**$ 1,955,000**	**$ 321,800**	**$ 1,427,086**	**$ 9,427,086**
TOTAL UTILITY FINANCING						
LONG-TERM DEBT						
New Capital	$ 6,402,090	$ 7,491,514	$10,511,255	$ 9,612,347	$12,620,274	$14,488,338
Refunding	5,882,383	2,124,245	3,954,957	3,434,930	5,996,314	20,109,292
Divestment	—	—	—	—	—	—
Total Long-Term Debt	**12,284,473**	**9,615,759**	**14,466,212**	**13,047,277**	**18,616,588**	**34,597,630**
PREFERRED STOCK						
New Capital	548,000	785,000	415,000	627,000	1,456,125	985,000
Refunding	67,850	55,850	370,000	195,500	908,000	695,600
Divestment	—	—	—	—	—	—
Total Preferred	**615,850**	**840,850**	**785,000**	**822,500**	**2,364,125**	**1,680,600**
COMMON STOCK						
New Capital	962,001	455,519	1,186,967	731,249	344,334	931,300
Refunding	77,450	—	—	—	14,000	33,750
Divestment	—	—	—	—	—	—
Total Common	**1,039,451**	**455,519**	**1,186,967**	**731,249**	**358,334**	**965,050**
TOTAL CAPITAL						
New Capital	7,912,091	8,732,033	12,113,222	10,970,596	14,420,733	16,404,638
Refunding	6,027,683	2,180,095	4,324,957	3,630,430	6,918,314	20,838,642
Divestment	—	—	—	—	—	—
Total Capital	**$13,939,774**	**$10,912,128**	**$16,438,179**	**$14,601,026**	**$21,339,047**	**$37,243,280**

*Classification as to type of utility is based upon predominant source of revenue. *Includes gas pipe line companies.*

+"Other Utilities" are water, transit, telephone and telegraph, and does not include railroads.

Note: Includes negotiated sales of pollution control bonds: 1991, $1,462 ; 1990, $1,313 million; 1989, $1,499 million; 1988, $1,189 million; 1987, $1,970 million; and 1986, $1,570 million.

Source: Ebasco Business Consulting Company

TABLE 78

WEIGHTED AVERAGE OF YIELDS ON NEWLY ISSUED DOMESTIC BONDS AND PREFERRED STOCKS

1971 – 1991

	Utility Bonds					Preferred Stocks
Year	Electric and Gas	Telephone	Water Works	All Utilities	Industrial Bonds	All Utilities
1991	**9.06%**	**8.95%**	**8.89%**	**9.03%**	**9.15%**	**8.22%**
1990	9.69	9.74	. . .	9.83	9.91	9.34
1989	9.92	8.68	. . .	9.27	9.51	9.24
1988	10.03	10.05	10.15	10.19	9.94	7.38
1987	9.74	9.63	. . .	9.75	9.29	7.83
1986	9.61	8.96	. . .	9.45	9.38	8.26
1985	11.83	11.54	11.18	11.78	11.64	10.08
1984	14.25	12.73	. . .	13.33	12.58	13.16
1983	12.70	11.72	. . .	12.53	11.50	12.06
1982	14.93	14.23	. . .	14.56	13.65	14.42
1981	16.31	15.45	. . .	16.30	15.16	15.11
1980	13.46	12.59	. . .	13.09	11.66	12.28
1979	10.85	10.29	. . .	10.64	9.49	9.76
1978	9.30	9.07	. . .	9.22	8.98	9.03
1977	8.43	8.21	. . .	8.38	8.15	8.43
1976	8.92	8.41	. . .	8.80	8.61	9.12
1975	9.97	9.27	. . .	9.76	9.12	10.63
1974	9.59	9.22	. . .	9.21	8.87	9.95
1973	7.91	7.87	. . .	7.88	7.86	7.50
1972	7.50	7.36	. . .	7.46	7.51	7.53
1971	7.72	7.58	. . .	7.71	7.80	7.74

Source: Moody's Investors Service.

TABLE 79

MOODY'S AVERAGE YIELDS ON UTILITY BONDS AND STOCKS

BY MOODY'S BOND RATINGS AND STOCK QUALITY GROUPS

1981 – 1991

	BONDS					PREFERRED STOCKS			COMMON STOCKS					
	Over-all* Average	Rating				aa High Quality	a Good Quality	baa Medium Quality	High Quality		Good Quality		Medium Quality	
End of Month		Aaa**	Aa	A	Baa				Yield	E/P Ratio†	Yield	E/P Ratio†	Yield	E/P Ratio†
1991														
December	8.60%	8.20%	8.55%	8.71%	8.92%	8.23%	8.34%	8.57%	5.56%	7.26%	5.73%	6.97%	6.63%	6.13%
September	8.95	8.58	8.91	9.07	9.25	8.39	8.59	8.82	5.96	8.07	6.13	7.52	7.16	8.07
June	9.42	9.13	9.28	9.54	9.72	8.77	8.89	9.19	7.08	8.98	6.79	8.37	7.92	8.31
March	9.37	9.03	9.23	9.53	9.68	8.87	9.07	9.20	6.91	8.16	6.59	7.87	7.57	6.37
1990														
December	9.58	9.18	9.43	9.73	9.99	9.08	9.30	9.54	6.60	8.75	6.84	6.62	7.89	6.62
September	10.04	9.75	9.88	10.19	10.33	9.30	9.70	9.84	7.03	8.09	6.91	7.71	9.12	7.29
June	9.68	9.38	9.62	9.77	9.96	9.17	9.46	9.71	6.79	9.55	7.16	8.48	7.94	6.59
March	9.79	9.51	9.70	9.84	10.10	9.18	9.47	9.63	6.53	9.47	7.18	9.00	8.46	7.22
1989														
December	9.33	8.93	9.29	9.46	9.62	8.88	9.25	9.38	5.83	8.69	6.57	8.79	7.68	8.19
September	9.48	9.15	9.42	9.59	9.77	8.91	9.43	9.73	6.47	9.00	7.06	8.05	8.01	9.11
June	9.36	9.01	9.26	9.53	9.64	8.93	9.37	9.73	6.41	9.15	7.25	7.79	8.14	9.77
March	10.21	9.96	10.06	10.27	10.54	9.54	10.11	10.38	7.06	10.21	7.98	8.50	9.13	10.87
1988														
December	10.09	9.74	9.97	10.16	10.47	9.50	10.06	10.37	6.58	10.35	7.45	7.81	8.87	10.48
September	10.06	9.80	9.91	10.14	10.40	9.40	9.89	10.17	6.67	10.32	7.26	9.47	9.02	10.71
June	10.70	10.25	10.50	10.78	11.25	9.28	9.89	10.09	6.58	9.89	8.12	9.57	9.19	11.15
March	10.36	9.93	10.16	10.33	11.02	9.06	9.74	10.04	6.68	10.28	8.29	10.10	9.38	12.19
1987														
December	10.91	10.55	10.65	10.94	11.49	9.35	10.24	10.45	6.68	10.38	8.60	9.60	9.54	12.06
September	11.22	10.75	10.84	11.42	11.87	9.40	10.19	10.47	6.28	10.06	7.97	9.55	8.60	12.06
June	9.86	9.39	9.55	10.02	10.46	8.66	9.13	9.75	6.23	9.58	7.81	10.03	8.57	11.14
March	8.89	8.38	8.77	9.04	9.38	7.82	8.36	8.90	6.00	9.24	6.99	8.94	7.89	10.94
1986														
December	9.00	8.46	8.85	9.14	9.54	7.98	8.64	9.27	5.48	7.53	6.91	9.28	7.96	10.92
September	9.39	8.88	9.26	9.48	9.95	8.09	8.76	9.36	5.49	7.46	6.97	9.55	8.15	11.48
June	9.16	8.67	9.05	9.23	9.70	8.54	9.32	9.89	5.57	7.55	7.23	9.64	8.24	11.21
March	8.93	8.30	8.75	9.06	9.60	8.61	9.05	9.78	6.07	8.32	7.16	9.84	9.01	11.17
1985														
December	10.56	9.99	10.30	10.75	11.19	10.00	10.28	11.09	7.34	11.66	8.40	11.67	9.60	13.57
September	11.95	11.29	11.73	12.07	12.69	10.60	11.05	12.52	8.36	13.30	9.74	13.66	10.88	15.63
June	11.93	11.16	11.60	12.16	12.81	10.25	10.83	11.97	7.46	11.83	8.59	12.22	9.48	13.78
March	13.59	12.90	13.45	13.86	14.13	11.62	12.32	12.98	8.13	13.32	9.15	13.33	10.48	15.12
1984														
December	12.96	12.54	12.79	13.02	13.49	12.25	12.97	13.71	8.26	14.10	9.65	13.73	10.96	15.60
September	13.95	...	13.38	14.13	14.35	12.31	13.31	14.28	8.64	14.86	10.43	14.48	11.90	16.97
June	15.32	...	14.96	15.25	15.76	13.28	14.22	14.85	9.85	17.01	11.51	15.88	13.34	18.84
March	14.16	...	13.78	14.04	14.66	12.40	13.12	13.55	9.65	16.89	11.37	15.64	12.81	18.77
1983														
December	13.46	12.96	13.15	13.50	14.22	12.18	12.61	13.34	8.83	15.32	10.43	13.95	11.97	17.04
September	13.20	12.66	12.87	13.27	13.98	11.70	12.15	12.72	9.03	15.26	10.17	14.00	10.86	14.94
June	13.13	12.32	12.63	13.54	14.04	11.34	12.05	12.47	9.37	15.11	10.75	14.29	10.84	14.29
March	13.26	12.23	12.66	13.82	14.34	11.17	11.79	12.51	9.35	14.77	10.19	14.14	11.13	14.41
1982														
December	13.50	12.30	12.68	14.37	14.65	11.63	12.20	13.26	9.22	15.20	10.56	14.77	11.43	14.79
September	14.39	12.97	13.76	15.31	15.52	12.84	13.49	14.11	9.64	15.91	11.30	15.78	12.15	16.17
June	16.37	15.55	16.04	16.56	17.32	14.30	14.69	15.67	10.08	14.13	11.96	15.95	13.03	17.33
March	16.19	15.15	15.62	16.64	17.25	14.44	14.81	15.48	10.09	16.74	11.53	15.96	12.74	16.72
1981														
December	16.23	14.88	15.90	16.68	17.45	14.97	15.47	15.83	11.01	16.19	11.72	14.43	13.53	17.58
September	17.56	16.74	17.43	17.84	18.21	14.68	15.28	16.01	11.52	16.74	12.01	14.73	13.96	18.07
June	15.49	14.47	15.06	15.84	16.60	13.75	14.15	15.02	10.94	15.78	11.70	14.05	12.88	16.95
March	14.86	13.96	14.61	15.17	15.69	13.35	13.72	14.57	11.71	16.51	12.20	15.21	13.30	17.63

Note: Yields shown under preferred stocks and common stocks represent averages of ten companies in each quality group.
** Average yield for selected utility bonds in each of the four top quality ratings shown.*
*** The Aaa public utility average was suspended January 17, 1984, because of a lack of appropriate issues and reinstated on October 12. The 1984 high and low for the Average Utility and the Aaa Utility, were determined when a Aaa Utility was available.*
† Ratio in percent is obtained by dividing earnings per share by market price per share.
Source: Moody's Investors Service.

TABLE 80

MOODY'S 24 UTILITY COMMON STOCKS END-OF-MONTH AVERAGES

MARKET PRICE — WEIGHTED AVERAGE — $ PER SHARE

Year	Average	January	February	March	April	May	June	July	August	September	October	November	December
1992	...	**135.87**	**133.16**	**131.76**	**135.72**	**136.89**	**135.01**	**140.38**	...	...	...	...	...
1991	126.97	116.65	121.00	123.29	122.25	120.48	119.19	124.25	127.80	132.77	134.13	137.81	144.02
1990	112.61r	116.90	116.81	114.26r	107.68	111.55	112.50	113.38	104.90	104.47	114.55	116.56	117.77
1989	110.45r	103.23	99.81	98.64	102.49	107.29r	111.25	117.12	113.70	113.73	116.28	119.35	122.52
1988	97.99r	102.86	100.38	95.22	91.65	95.42	96.88	96.51	96.27	98.81	101.32	99.67	100.94
1987	105.90r	123.06	118.35	113.48	107.10	103.30	105.83	102.44	105.66	102.59	98.39	96.30	94.24

DIVIDEND RATE — WEIGHTED AVERAGE — $ PER SHARE

Year	Average	January	February	March	April	May	June	July	August	September	October	November	December
1992	...	**9.12**	**9.16**	**9.16**	**9.17**	**9.19**	**9.22**	**9.23**	...	...	...	...	...
1991	8.95	8.87	8.91	8.91	8.92	8.92	8.95	8.95	8.95	8.95	8.99	9.00	9.02
1990	8.79	8.99	9.03	9.03	8.70r	8.69	8.72	8.72	8.72	8.72	8.72	8.73	8.76
1989	8.82	8.76	8.78	8.78	8.80	8.81	8.84	8.84	8.84	8.84	8.84	8.85	8.85
1988	8.87	9.17	9.17	8.95	8.98	8.99	9.03	8.69	8.69	8.69	8.69	8.69	8.71
1987	9.12	9.09	9.09	9.09	9.12	9.13	9.13	9.13	9.13	9.14	9.14	9.14	9.12

YIELD — %

Year	Average	January	February	March	April	May	June	July	August	September	October	November	December
1992	...	**6.71**	**6.88**	**6.95**	**6.76**	**6.71**	**6.83**	**6.57**	...	...	...	...	...
1991	7.07	7.60	7.36	7.23	7.30	7.40	7.51	7.20	7.00	6.74	6.70	6.53	6.26
1990	7.82r	7.69	7.73	7.90r	8.08	7.79	7.75	7.69	8.31	8.35	7.61	7.49	7.44
1989	8.02r	8.49	8.80	8.90	8.59	8.21r	7.95	7.55	7.77	7.77	7.60	7.42	7.22
1988	9.06r	8.92	9.14	9.40	9.80	9.42	9.32	9.00	9.03	8.79	8.58	8.72	8.63
1987	8.67r	7.39	7.68	8.01	8.52r	8.84r	8.63	8.91	8.64	8.91	9.29	9.49	9.68

EARNINGS — WEIGHTED AVERAGE — $ PER SHARE

Year	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
1992	...	...	...	...
1991	9.20	10.52	10.89	10.06
1990	10.43r	9.25r	8.92r	9.03r
1989	7.97	8.22	8.54	11.07
1988	11.27	10.70	10.60	7.55
1987	12.86	12.63	12.36	11.45

Note: Quarterly earnings are for the 12 months ended March 31, June 30, September 30 and December 31.
r Revised.
Source: Moody's Investors Service.

SECTION X

ECONOMICS AND OTHER

TABLE 82

CONSUMER PRICE INDEX, 1968-1991

1982 - 84 EQUALS 100

	All Items		Food and Beverages		Housing	
Year	Index	Percent Change	Index	Percent Change	Index	Percent Change
1991*	**136.2**	**4.2**	**136.8**	**3.6**	**133.6**	**4.0**
1990*	130.7	5.4	132.1	5.8	128.5	4.5
1989*	124.0	4.8	124.9	5.7	123.0	3.8
1988*	118.3	4.1	118.2	4.1	118.5	3.8
1987*	113.6	3.6	113.5	4.0	114.2	3.0
1986*	109.6	1.9	109.1	3.3	110.9	3.0
1985*	107.6	3.6	105.6	2.3	107.7	4.0
1984*	103.9	4.3	103.2	3.7	103.6	4.1
1983*	99.6	3.2	99.5	2.3	99.5	2.7
1982*	96.5	6.2	97.3	4.1	96.9	7.2
1981*	90.9	10.3	93.5	7.8	90.4	11.5
1980*	82.4	13.5	86.7	8.5	81.1	15.7
1979*	72.6	11.3	79.9	10.7	70.1	12.3
1978*	65.2	7.6	72.2	9.7	62.4	8.7
1977	60.6	6.5	65.8	6.0	57.4	6.7
1976	56.9	5.8	62.1	3.2	53.8	6.1
1975	53.8	9.1	60.2	8.5	50.7	10.7
1974	49.3	11.0	55.5	13.7	45.8	11.2
1973	44.4	6.2	48.8	13.2	41.2	4.6
1972	41.8	3.2	43.1	4.1	39.4	3.7
1971	40.5	4.4	41.4	3.2	38.0	4.4
1970	38.8	5.7	40.1	5.2	36.4	7.1
1969	36.7	5.5	38.1	5.2	34.0	6.3
1968	34.3	4.2	36.2	3.4	32.0	3.9

	Transportation		Gas and Electricity		Electricity	
Year	Index	Percent Change	Index	Percent Change	Index	Percent Change
1991*	**123.8**	**2.7**	**112.6**	**3.0**	**121.8**	**3.7**
1990*	120.5	5.6	109.3	1.7	117.4	2.4
1989*	114.1	5.0	107.5	2.8	114.7	2.9
1988*	108.7	3.1	104.6	0.8	111.5	1.4
1987*	105.4	3.0	103.8	(1.8)	110.0	(0.4)
1986*	102.3	(3.9)	105.7	(1.3)	110.4	1.4
1985*	106.4	2.6	107.1	1.6	108.9	3.4
1984*	103.7	4.4	105.4	3.8	105.3	6.5
1983*	99.3	2.4	101.5	8.9	98.9	3.2
1982*	97.0	4.1	93.2	13.8	95.8	9.9
1981*	93.2	12.2	81.9	14.7	87.2	15.0
1980*	83.1	17.9	71.4	17.0	75.8	15.5
1979*	70.5	14.3	61.0	10.9	65.6	7.7
1978*	61.7	4.6	55.0	8.9	60.9	7.6
1977	59.0	7.1	50.5	13.0	56.6	6.6
1976	55.1	10.0	44.7	11.5	53.1	6.2
1975	50.1	9.4	40.1	16.2	50.0	13.4
1974	45.8	11.2	34.5	15.4	44.1	17.9
1973	41.2	3.3	29.9	4.9	37.4	5.1
1972	39.9	1.0	28.5	5.2	35.6	5.0
1971	39.5	5.3	27.1	6.7	33.9	6.6
1970	37.5	5.0	25.4	4.5	31.8	3.2
1969	35.7	4.1	24.3	1.7	30.8	2.0
1968	34.3	3.0	23.9	0.8	30.2	1.0

**Data beginning 1978 are for All Urban Consumers; earlier data are for Urban Wage Earners and Clerical Workers.*
Source: U.S. Department of Labor. Bureau of Labor Statistics. CPI Detailed Report and Monthly Labor Review.

TABLE 83

PRODUCER PRICE INDEX— FINISHED GOODS AND SELECTED INDUSTRIAL COMMODITIES

1982 EQUALS 100

	Finished Goods		Metals and Metal Products		Machinery and Equipment		Furniture and Household Durables		Fuels and Related Products and Power	
Year	Index	Percent Change	Index	Percent Change	Index	Percent Change	Index	Percent Change	Index	Percent Change
1991	**121.7**	**2.1**	**120.3**	**(2.1)**	**123.0**	**1.9**	**121.2**	**1.7**	**81.2**	**(1.3)**
1990	119.2	4.9	122.9r	1.0	120.7	2.8	119.2r	2.0	82.3r	12.9
1989	113.6	5.2	124.1	4.5	117.4	3.7	116.9	3.4	72.9	9.3
1988	108.0	2.5	118.7	10.8	113.2	2.5	113.1	2.9	66.7	(5.0)
1987	105.4	2.1	107.1	3.8	110.4	1.5	109.9	1.6	70.2	0.6
1986	103.2	(1.4)	103.2	(1.1)	108.8	1.5	108.2	1.0	69.8	(23.6)
1985	104.7	1.0	104.4	(0.4)	107.2	2.0	107.1	1.3	91.4	(3.6)
1984	103.7	2.1	104.8	2.9	105.1	2.3	105.7	2.2	94.8	(1.1)
1983	101.6	1.6	101.8	1.8	102.7	2.7	103.4	3.4	95.9	(4.1)
1982	100.0	4.1	100.0	0.4	100.0	5.9	100.0	4.3	100.0	(0.2)
1981	96.1	9.2	99.6	4.8	94.4	9.8	95.9	5.7	100.2	21.0
1980	88.0	13.4	95.0	10.5	86.0	12.1	90.7	9.5	82.8	40.6
1979	77.6	11.2	86.0	14.2	76.7	9.1	82.8	6.8	58.9	26.7
1978	69.8	7.9	75.3	8.7	70.3	7.8	77.5	5.9	46.5	6.7
1977	64.7	6.4	69.3	6.6	65.2	6.4	73.2	4.1	43.6	13.8
1976	60.8	4.5	65.0	5.7	61.3	5.9	70.3	4.1	38.3	8.2
1975	58.2	10.6	61.5	7.9	57.9	15.8	67.5	9.2	35.4	17.6
1974	52.6	15.4	57.0	29.5	50.0	14.4	61.8	11.0	30.1	55.2
1973	45.6	9.1	44.0	7.6	43.7	3.3	55.7	3.5	19.4	13.5
1972	41.8	3.2	40.9	3.8	42.3	2.2	53.8	1.3	17.1	3.0
1971	40.5	3.1	39.4	1.8	41.4	3.5	53.1	2.3	16.6	8.5

	Coal		Gas Fuels		Electric Power		Crude Petroleum		Petroleum Products, Refined	
Year	Index	Percent Change	Index	Percent Change	Index	Percent Change	Index	Percent Change	Index	Percent Change
1991	**97.2**	**(0.3)**	**76.9**	**(1.9)**	**124.3**	**5.7**	**61.9**	**(12.8)**	**67.0**	**(10.4)**
1990	97.5r	2.1	78.4r	4.1	117.6	2.4	71.0r	26.1	74.8	22.2
1989	95.5	0.1	75.3	5.5	114.8	3.2	56.3	21.9	61.2	13.5
1988	95.4	(1.8)	71.4	(3.6)	111.2	0.5	46.2	(16.8)	53.9	(5.1)
1987	97.1	(3.7)	74.1	(10.9)	110.6	(1.8)	55.5	18.3	56.8	6.8
1986	100.8	(1.4)	83.2	(15.7)	112.6	0.9	46.9	(44.5)	53.2	(36.1)
1985	102.2	0.0	98.7	(5.6)	111.6	3.1	84.5	(7.4)	83.2	(4.8)
1984	102.2	1.7	104.5	(3.3)	108.2	5.3	91.3	(1.7)	87.4	(2.8)
1983	100.5	0.5	108.1	8.1	102.8	2.8	92.9	(7.1)	89.9	(10.1)
1982	100.0	7.5	100.0	12.9	100.0	10.7	100.0	(8.8)	100.0	(5.6)
1981	93.0	6.4	88.6	23.6	90.3	14.2	109.6	44.4	105.9	19.5
1980	87.4	3.7	71.7	39.8	79.1	18.9	75.9	48.0	88.6	51.7
1979	84.3	4.9	51.3	27.0	66.5	8.0	51.3	25.4	58.4	38.4
1978	80.4	10.4	40.4	10.4	61.6	7.5	40.9	9.4	42.2	4.2
1977	72.8	5.7	36.6	35.6	57.3	12.1	37.4	8.1	40.5	11.6
1976	68.9	(4.6)	27.0	32.4	51.1	7.4	34.6	3.3	36.3	7.4
1975	72.2	16.1	20.4	33.3	47.6	18.7	33.5	15.9	33.8	15.4
1974	62.2	52.5	15.3	28.6	40.1	26.1	28.9	68.0	29.3	73.4
1973	40.8	12.7	11.9	10.2	31.8	6.4	17.2	11.0	16.9	18.2
1972	36.2	6.5	10.8	5.9	29.9	4.5	15.5	(0.6)	14.3	1.4
1971	34.0	21.0	10.2	4.1	28.6	9.6	15.6	7.6	14.1	6.0

r Revised.

Source: U.S. Department of Labor. Bureau of Labor Statistics. Producer Price Indexes.

TABLE 84

COST TRENDS OF ELECTRIC LIGHT AND POWER CONSTRUCTION*

BY GEOGRAPHIC DIVISIONS — 1971- 1992
1973 EQUALS 100

Date	North Atlantic	South Atlantic	North Central	South Central	Plateau	Pacific
Jan. 1, 1992	302	282	296	287	288	306
July 1, 1991	305	285	299	289	291	309
Jan. 1, 1991	299	282	295	286	286	303
July 1, 1990	296	282	294	285	287	302
Jan. 1, 1990	290	279	288	282	282	297
July 1, 1989	286	275	284	276	277	293
Jan. 1, 1989	280	268	278	274	272	288
July 1, 1988	273	263	274	269	270	282
Jan. 1, 1988	260	253	261	257	258	271
July 1, 1987	251	244	253	250	249	262
Jan. 1, 1987	249	242	250	249	248	259
July 1, 1986	249	243	250	249	249	260
Jan. 1, 1986	246	241	247	249	247	260
July 1, 1985	244	240	245	247	247	258
Jan. 1, 1985	243	241	245	249	248	258
July 1, 1984	239	237	241	246	248	259
Jan. 1, 1984	233	233	236	243	244	255
July 1, 1983	231	233	236	242	245	254
Jan. 1, 1983	226	230	231	239	240	250
July 1, 1982	222	227	229	234	236	247
Jan. 1, 1982	218	222	226	231	232	240
July 1, 1981	209	218	215	222	222	230
Jan. 1, 1981	203	210	208	214	216	225
July 1, 1980	193	197	196	203	202	209
Jan. 1, 1980	186	191	190	195	197	200
July 1, 1979	178	182	181	187	188	192
Jan. 1, 1979	168	174	173	178	179	181
July 1, 1978	161	165	165	169	170	173
Jan. 1, 1978	156	161	159	164	166	168
July 1, 1977	154	158	157	162	163	165
Jan. 1, 1977	147	152	149	155	155	157
July 1, 1976	145	148	146	151	152	151
Jan. 1, 1976	140	144	141	146	145	146
July 1, 1975	138	140	140	142	143	141
Jan. 1, 1975	130	133	132	134	133	132
July 1, 1974	119	120	120	122	120	120
Jan. 1, 1974	105	105	104	105	105	105
July 1, 1973	100	100	100	100	100	100
Jan. 1, 1973	95	96	96	95	96	96
July 1, 1972	93	94	94	93	94	94
Jan. 1, 1972	92	91	94	91	92	93
July 1, 1971	87	88	90	88	89	89
Jan. 1, 1971	83	84	86	85	85	85

**Index numbers shown are a composite of over 50 material and labor items included in the Handy-Whitman Index service of cost indexes of construction and equipment, all steam.*

Source: Handy-Whitman Index of Public Utility Construction Costs. Published by courtesy of Whitman, Requardt and Associates, Baltimore, Maryland.

TABLE 85

COST OF INDUSTRIAL PURCHASED ELECTRIC POWER AS A PERCENT OF VALUE OF PRODUCT SHIPMENT

U.S. AVERAGE 1985 - 1990

Standard Industrial Classification	Industry	1990	1989	1988	1987	1986	1985
20	Food and Kindred Products	0.8	0.8	0.8	0.8	0.9	0.9
21	Tobacco Manufactures	0.3	0.4	0.4	0.4	0.4	0.4
22	Textile Mill Products	2.2	2.2	2.2	2.2	2.3	2.3
23	Apparel and Other Textile Products	0.6	0.6	0.6	0.6	0.7	0.7
24	Lumber and Wood Products	1.4	1.4	1.5	1.4	1.5	1.5
25	Furniture and Fixtures	0.8	0.9	0.9r	0.9	0.9	0.9
26	Paper and Allied Products	3.3	3.2	3.3	3.6	3.9	4.1
27	Printing and Publishing	0.7	0.7	0.7	0.7	0.7	0.7
28	Chemicals and Allied Products	2.1	2.1	2.2	2.4	2.9	3.1
29	Petroleum and Coal Products	1.1	1.3	1.3	1.4	1.6	1.1
30	Rubber and Miscellaneous Plastics Products	1.9	1.9	1.9	2.0	2.1	2.1
31	Leather and Leather Products	0.6	0.6	0.7	0.7	0.8	0.8
32	Stone, Clay and Glass Products	2.6	2.5	2.5	2.6	2.8	2.9
33	Primary Metal Industries	3.7	3.6	3.7	4.1	4.5	4.7
34	Fabricated Metal Products	1.2	1.2	1.1	1.2	1.2	1.2
35	Machinery, Except Electrical	0.8	0.8	0.8	0.8	0.9	0.9
36	Electric and Electronic Equipment	1.0	0.9	0.9	1.0	1.0	1.0
37	Transportation Equipment	0.6	0.6	0.6	0.6	0.6	0.6
38	Instruments and Related Products	0.7	0.7	0.7	0.7	0.8	0.8
39	Miscellaneous Manufacturing Industries	0.8	0.8	0.8	0.8	0.8	0.8
	Total Manufacturing	1.3	1.3	1.4	1.4	1.5	1.5

Note: 1991 data not available at time of printing.

r Revised.

Source: U.S. Department of Commerce. Bureau of the Census. Annual Survey of Manufactures. Statistics for Industry Groups and Industries.

TABLE 86

CIRCUIT MILES OF OVERHEAD ELECTRIC LINE OF 22,000 VOLTS AND ABOVE IN SERVICE — TOTAL ELECTRIC UTILITY INDUSTRY

BY STATE AND VOLTAGE GROUPS

State/Division	Circuit Miles 1991p	 1990r	 1989r
Total United States*	**642,325**	**636,447**	**628,173**
Maine	3,961	4,024	4,019
New Hampshire	2,732	2,416	2,372
Vermont	1,812	1,787	1,784
Massachusetts	6,121	6,103	6,062
Rhode Island	694	698	704
Connecticut	1,799	1,804	1,804
New England	**17,121**	**16,831**	**16,745**
New York	21,836	21,867	20,404
New Jersey	6,595	6,491	6,350
Pennsylvania	22,262	21,792	21,107
Middle Atlantic	**50,692**	**50,151**	**47,861**
Ohio	21,145	20,950	21,788
Indiana	15,151	15,116	15,074
Illinois	16,689	16,624	16,573
Michigan	18,619	18,513	18,157
Wisconsin	9,743	9,770	9,659
East North Central	**81,347**	**80,973**	**81,250**
Minnesota	10,101	10,070	10,062
Iowa	10,700	10,772	10,771
Missouri	11,932	12,226	12,351
North Dakota	7,091	7,051	7,050
South Dakota	6,874	6,895	6,892
Nebraska	13,603	13,531	13,620
Kansas	12,693	12,673	10,210
West North Central	**72,994**	**73,218**	**70,955**
Delaware	2,637	2,633	2,664
Maryland	8,570	8,624	8,531
District of Columbia	10	10	10
Virginia	12,933	13,025	12,903
West Virginia	8,806	8,648	8,389
North Carolina	25,059	24,419	24,362
South Carolina	22,498	20,720	20,532
Georgia	23,857	23,203	23,014
Florida	17,856	17,670	17,577
South Atlantic	**122,227**	**118,953**	**117,982**
Kentucky	12,121	12,097	11,997
Tennessee	28,542	28,540	28,771
Alabama	14,238	14,210	14,269
Mississippi	13,837	13,745	13,825
East South Central	**68,738**	**68,592**	**68,862**
Arkansas	7,417	7,380	7,375
Louisiana	13,431	12,829	11,937
Oklahoma	10,244	10,245	10,242
Texas	49,048	49,015	48,794
West South Central	**80,139**	**79,470**	**78,348**
Montana	10,690	10,909	10,841
Idaho	11,960	11,965	11,967
Wyoming	5,330	5,315	5,164
Colorado	8,140	7,979	7,276
New Mexico	7,879	7,698	7,471
Arizona	13,992	13,498	13,322
Utah	6,959	6,925	6,718
Nevada	8,582	8,542	8,252
Mountain	**73,532**	**72,831**	**71,011**
Washington	19,145	19,183	19,038
Oregon	11,237	11,303	11,319
California	42,895	42,742	42,642
Pacific	**73,277**	**73,227**	**72,998**
Alaska	726	726	688
Hawaii	1,533	1,476	1,473
Alaska & Hawaii	**2,259**	**2,202**	**2,161**

Nominal Voltage	Circuit Miles 1991p	 1990r	 1989r
Total	**642,325**	**636,447**	**628,173**
22,000- 30,000	96,563	93,869	91,970
31,000- 40,000	71,852	71,051	69,297
41,000- 50,000	36,048	36,012	36,380
51,000- 70,000	107,798	107,748	107,489
71,000- 131,000	98,280	95,952	94,361
132,000-143,000	65,333	66,883	66,945
144,000-188,000	24,200	24,348	24,083
189,000-253,000	66,672	65,815	64,710
254,000-400,000	47,507	46,881	45,312
401,000-600,000	24,318	24,133	24,027
601,000-800,000	3,754	3,754	3,599

Note: Total may not equal sum of components due to independent rounding.

**Does not include miles of line operated by REA Cooperatives.*

p Preliminary. r Revised.

TABLE 87

CIRCUIT MILES OF OVERHEAD ELECTRIC LINE OF 22,000 VOLTS AND ABOVE IN SERVICE — INVESTOR-OWNED ELECTRIC UTILITIES

BY STATE AND VOLTAGE GROUPS

State/Division	Circuit Miles 1991p	 1990r	 1989r
Total United States	**504,344**	**500,311**	**493,491**
Maine	3,936	3,999	3,994
New Hampshire	2,732	2,416	2,372
Vermont	1,707	1,682	1,679
Massachusetts	5,962	5,942	5,930
Rhode Island	694	698	704
Connecticut	1,765	1,769	1,769
New England	**16,797**	**16,505**	**16,448**
New York	18,997	19,029	18,971
New Jersey	6,586	6,482	6,340
Pennsylvania	22,262	21,792	21,107
Middle Atlantic	**47,844**	**47,303**	**46,418**
Ohio	21,061	20,865	21,704
Indiana	15,003	14,968	14,926
Illinois	16,461	16,396	16,346
Michigan	18,399	18,319	17,961
Wisconsin	9,639	9,667	9,555
East North Central	**80,563**	**80,216**	**80,493**
Minnesota	9,696	9,691	9,685
Iowa	10,105	10,189	10,199
Missouri	10,747	10,864	11,023
North Dakota	5,006	5,006	5,006
South Dakota	3,482	3,503	3,500
Nebraska	95	95	95
Kansas	12,512	12,502	10,039
West North Central	**51,643**	**51,850**	**49,547**
Delaware	2,532	2,527	2,558
Maryland	8,567	8,621	8,528
District of Columbia	10	10	10
Virginia	11,911	12,004	11,882
West Virginia	8,806	8,648	8,389
North Carolina	24,025	23,381	23,323
South Carolina	17,321	17,103	16,915
Georgia	18,502	17,944	17,767
Florida	12,826	12,670	12,576
South Atlantic	**104,500**	**102,908**	**101,948**
Kentucky	8,151	8,127	8,026
Tennessee	252	250	250
Alabama	10,207	10,180	10,119
Mississippi	9,928	9,836	9,859
East South Central	**28,537**	**28,393**	**28,254**
Arkansas	6,780	6,766	6,761
Louisiana	13,215	12,629	11,736
Oklahoma	8,391	8,380	8,377
Texas	44,592	44,564	44,332
West South Central	**72,979**	**72,338**	**71,206**
Montana	7,842	8,061	7,993
Idaho	11,070	11,062	11,064
Wyoming	3,237	3,239	3,171
Colorado	5,223	5,223	4,656
New Mexico	7,599	7,413	7,187
Arizona	6,468	6,436	6,262
Utah	6,347	6,306	6,117
Nevada	7,331	7,286	6,990
Mountain	**55,117**	**55,026**	**53,439**
Washington	4,193	4,078	4,080
Oregon	5,718	5,791	5,792
California	34,879	34,386	34,354
Pacific	**44,790**	**44,255**	**44,225**
Alaska	41	41	41
Hawaii	1,533	1,476	1,473
Alaska & Hawaii	**1,573**	**1,516**	**1,513**

Nominal Voltage	Circuit Miles 1991p	 1990r	 1989r
Total	**504,344**	**500,311**	**493,491**
22,000- 30,000	64,132	61,962	60,102
31,000- 40,000	63,760	63,143	61,436
41,000- 50,000	32,314	31,860	32,000
51,000- 70,000	87,088	87,470	86,922
71,000- 131,000	79,152	77,297	75,764
132,000-143,000	60,761	62,338	62,410
144,000-188,000	10,637	10,576	10,483
189,000-253,000	49,018	48,827	48,245
254,000-400,000	39,088	38,587	37,985
401,000-600,000	15,988	15,844	15,738
601,000-800,000	2,406	2,406	2,406

Note: Total may not equal sum of components due to independent rounding.
p Preliminary. r Revised.

TABLE 88

NUMBER OF ELECTRIC DEPARTMENT EMPLOYEES

INVESTOR-OWNED ELECTRIC UTILITIES

Year	Average	At December 31
1991p	**507,425**	**507,746**
1990r	511,701	510,595
1989	518,584	513,534
1988	522,362	520,762
1987	523,868	526,484
1986	529,664	533,642
1985	524,503	532,820
1984	516,100	526,678
1983	513,200	517,400
1982	505,100	513,323
1981	490,500	489,001

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GLOSSARY

Allowance for Funds Used During Construction (AFUDC): An amount recorded by a company to represent the cost of those funds used to finance Construction Work in Progress (CWIP). See Glossary of Electric Utility Terms.

Capability: The maximum load which a generating unit, generating station, or other electrical apparatus can carry under specified conditions for a given period of time, without exceeding approved limits of temperature and stress.

Capacity: The load for which a generating unit, generating station, or other electrical apparatus is rated either by the user or by the manufacturer. See also Nameplate Rating.

Capital Expenditures (Capital Outlay): Cost of construction of new utility plant (additions, betterments, and replacements) and expenditures for the purchase or acquisition of existing utility plant facilities.

Capitalization: The total of: Long-Term Debt, Preferred Stock and Common Stock Equity. For balance sheet presentation, several modifications are sometimes made: current maturities of Long-Term Debt are not included in the Capitalization section, but Short-Term Debt(with an original maturity of less than one year) which will be refinanced by Long-Term Debt is sometimes included.

Class of Service: A group of customers with similar characteristics (i.e., residential, commercial, industrial, sales for resale, etc.) which is identified for the purpose of setting a rate for electric service.

Construction Expenditures (Gross): Expenditures (may or may not include interest and/or other overheads charged to construction)for construction including additions to and betterments, renewals, and replacements of utility plant during a specific period, but not money spent for maintenance, the cost of removal, nor the acquisition of existing utility systems or segments.

Consumer Price Index (CPI): Average change in prices over time in a fixed market basket of goods and services. The Bureau of Labor Statistics publishes CPIs for two population groups: (1) A CPI for all Urban Consumers (CPI-U) which covers approximately 80 percent of the total population and (2) A CPI for Urban Wage Earners and Clerical Workers (CPI-W) which covers 32 percent of the total population.

Customers, Average: The arithmetic averages of month-end customers in each of 12 consecutive months. For those billed other than every month, the number of such customers is adjusted to a 12-month basis (e.g., for bimonthly billing the number of customers billed, or counted, in each month is multiplied by two and the resultant averaged for the 12-month period).

Demand: The rate at which electric energy is delivered to or by a system, part of a system, or a piece of equipment. It is expressed in kilowatts, kilovoltamperes or other suitable unit at a given instant or averaged over any designated period of time. The primary source of "Demand" is the power-consuming equipment of the customers.

Electric Generation—Net: Gross generation less kilowatthours used at the generating station(s).

Electric Utility Industry: All enterprises engaged in the production and/or distribution of electricity for use by the public, including:

Investor-Owned Electric Utilities organized as tax-paying business usually financed by the sale of securities, in the free market.

Cooperatively-Owned Utilities A group of persons who have organized a joint venture for the purpose of supplying electric energy to a specified area.

Government-Owned includes municipal systems, federal agencies, state projects, and public power districts; and, where the data are not separable, those industrial plants contributing to the public supply.

Expenses, Operating: A group of expenses applicable to utility operations composed of: Operation Expense, Maintenance Expense, Provisions for Depreciation and Amortization, Taxes Other Than Income Taxes, Income Taxes, Provision for Deferred Income Taxes, Income Taxes Deferred in Prior Years-Credit, and Investment Tax Credit Adjustments-Net.

Fuels, Fossil: Any naturally occurring fuel of an organic nature, such as coal, crude oil, and natural gas.

Industrial Electric Power: Electric generating stations operated by Industrial establishments.

Load Factor: The ratio of the average load in kilowatts supplied during a designated period to the peak or maximum load in kilowatts occurring in that period. Load factor, in percent, also may be derived by multiplying the kilowatthours in the period by 100 and dividing by the product of the maximum demand in kilowatts and the number of hours in the period.

Margin, Percent Capacity: The difference between capability and peak load divided by the capability times 100. Should not be confused with Percent Reserve Margin in which the difference is divided by the peak load.

Nameplate Rating: The full-load continuous rating of a generator, prime mover or other electrical equipment under specified conditions as designated by the manufacturers.

Output, Weekly Electric: The sum of the system output of all investor-owned utilities, rural electric cooperatives, and government power projects in the contiguous United States adjusted for all inter-utility deliveries.

Peak Load: See Demand—The greatest demand which occurs during a specified period of time.

Prime Mover: The engine, turbine, water wheel, or similar machine which drives an electric generator.

Producer Price Index: Formerly known as the Wholesale Price Index, this index is the oldest continuous statistical series published by BLS. It is designed to measure average changes in prices of all commodities, at all stages of processing, produced or imported for sale in primary markets in the U.S.

Revenue, Average: Revenue from the sale of electricity (exclusive of forfeited discounts and penalties) for a particular class of service divided by the corresponding number of kilowatthours sold.

Utility Plant, Electric: All equipment used for the generation, transmission, and distribution of electricity, or an account in which record is kept of this equipment. Includes Plant in Service, Purchased or Sold, in Process of Reclassification, Leased to Others, Held for Future Use, Under Construction, and Acquisition Adjustments and Adjustment Accounts, without deduction of Accumulated Provision for Depreciation and Amortization.

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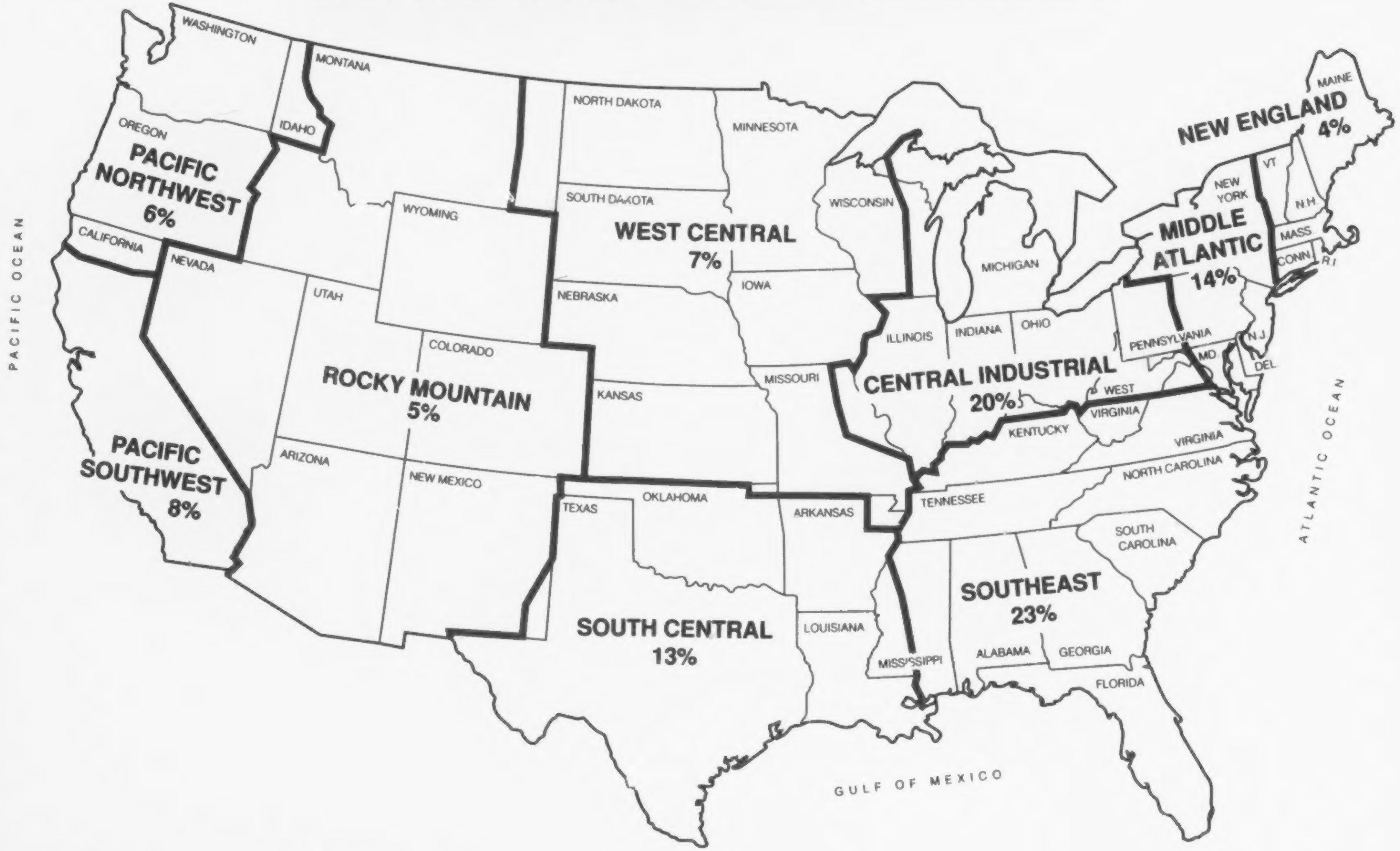

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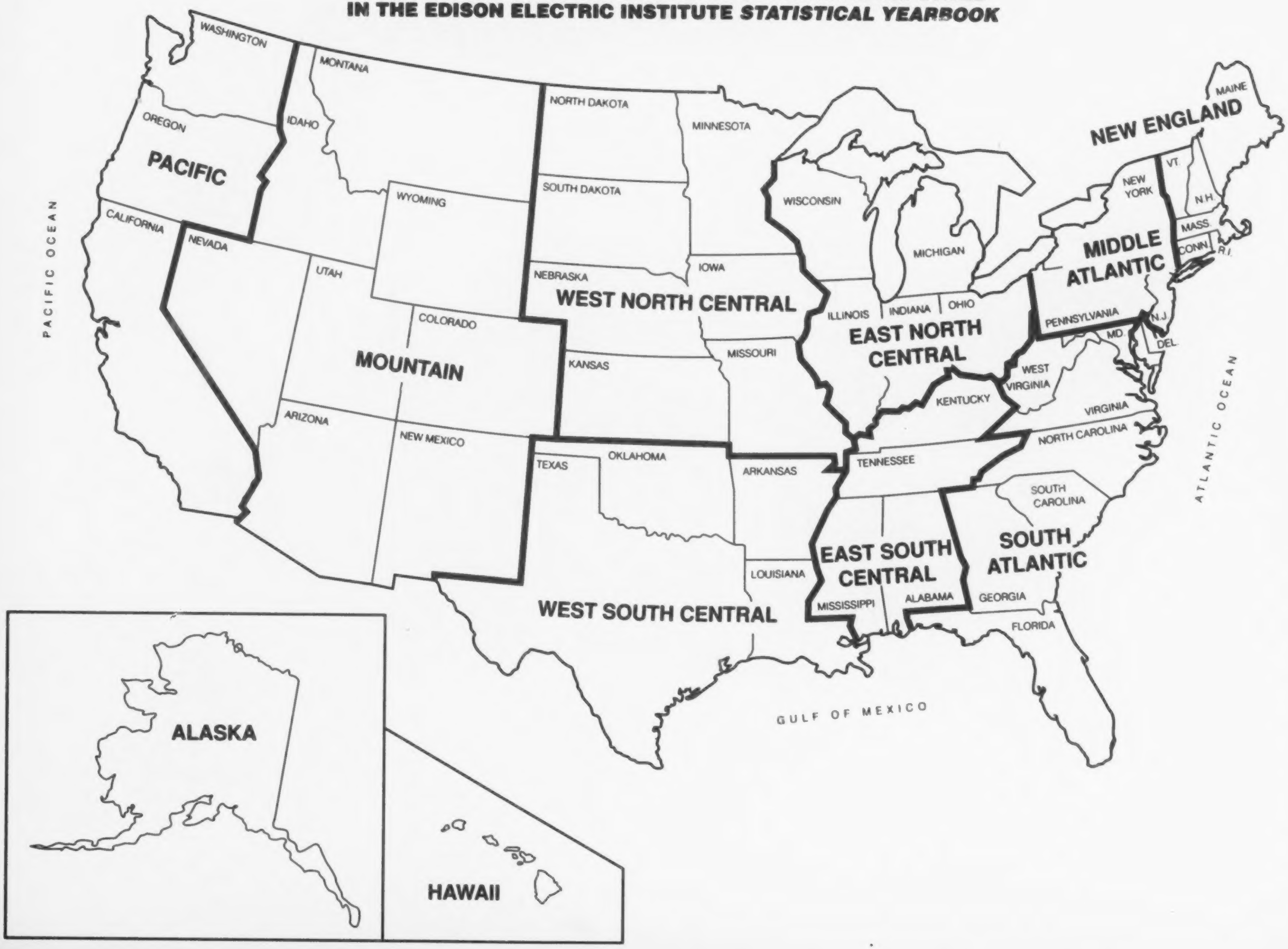

PUBLICATIONS PREPARED BY THE STATISTICS DEPARTMENT

Pub. No.	Title	Unit Price
01-92-08	Capacity and Generation of Non-Utility Sources of Energy	$150.00
01-92-09	Catalogue of Investor-Owned Electric Utility Companies Operating in the United States	10.00
04-88-10	Digest of Electric Utility Financial Ratios	10 00
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01-91-05	Glossary of Electric Utility Terms	12.50
04-84-14	Guidelines for Defining and Classifying Electric Customers By Major Energy Use	1.25
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